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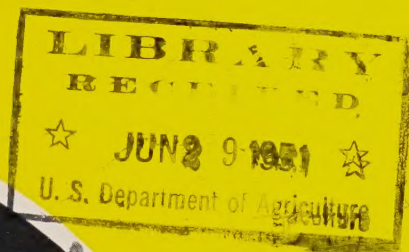
SUMMER 1951

62.23

Geo. J. Ball

INC.

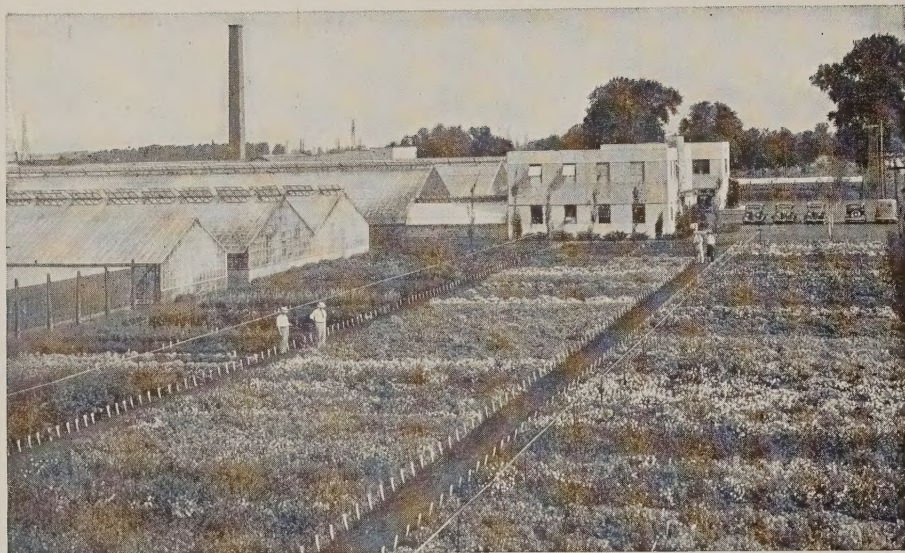
WEST CHICAGO, ILLINOIS
U. S. A.



BALL WHITE HYBRID No. 5
"SNOWMAN"

INTRODUCING SIX NEW BALL HYBRID SNAPDRAGONS

"^{BETTER} Flower Seeds for Florists"



"Trialing" at Ball's . . . and what it means to you.

In one respect flower seeds are like other merchandise. There are some very good strains; there are some just average; and a few, unfortunately, are poor.

How may a seedsman separate the good from the poor? *

Many seedsmen rely solely -- and sometimes justifiably -- on the reputation of the seed growers from whom they buy. This is a good plan and generally adequate -- but to provide our customers with the highest possible degree of reliability and quality -- that "extra something" to which they are really entitled -- we have for years grown trials of all principal seed we sell, solely for the purpose of comparing "strains" and selecting the best source regardless of price.

This is an expensive project, as crops so grown are "chopped up" and not very marketable. However, we are certain, from expressions of confidence by florists who return to us year after year for their seed needs, that this added cost is justifiable.

You are cordially invited to visit us at any time during the year and inspect in detail these trials. A few of the more important ones are described at right.

*One way of accomplishing this is to produce one's own seed--this we do in the case of many of our specialties—for example, most of the Snap seed which we sell is grown in our greenhouses.

OUR WEST CHICAGO TRIALS INCLUDE:

Annuals (Photo at left). New varieties of Petunias, Marigolds, Salvia, bedding Snaps, Verbenas, Zinnias, and other promising spring items are compared each summer with the best known commercial strains.

Perennials (including extensive Delphinium trials). Nearly 100 varieties of perennials are flowered for two years in our outdoor trials.

Pansies (May). One of our most interesting trials--the finest strains from three continents.

Petunias (Double and Fancy). Several hundred varieties and strains are finished off in 3 inch pots in late April.

Snapdragons. A complete trial of several hundred standard varieties and new crosses--several crops blooming from January to April.

Stocks (May). Most commercial varieties plus new seedlings.

Other trials include **Asters** (August and September), **Begonias** (spring), **Carnation** variety trials (winter), **Cinerarias** (spring), **Chrysanthemums** (year-around, especially fall), **Hardy Mums** (fall), **Cyclamen** (next trials planned for winter '52-'53), **Gladioli** (late spring), **Iris**, **Daffodils**, **Tulips**, etc. (spring), **Larkspur** (May-June), **Primula Obconica** (winter) and **Malacoides** (spring), **border Roses** (summer), and **Sweet Peas** (winter and spring).

If you plan to visit us to view certain trials, suggest you check with us as to progress of crop to make sure it will be blooming during your visit.

TO OUR CUSTOMERS:

With this catalog we are introducing 6 new Hybrid Snaps. You'll find them completely described on page 2. The further we get into our program of Snap breeding, the more convinced we are that eventually all commercial Snapdragons grown will be in the F1 Hybrid class. Their inherent vigor and absolute trueness to type are obvious advantages that are not present in most of the old inbred varieties. If you are interested in Snapdragons I would certainly suggest your trying our 6 new ones. Each of them fills a need for the commercial Snap grower.

THIS IS NOT A COMPLETE CATALOG. Our June catalog has always featured varieties sown during the summer and fall for mid-winter flowering. For a complete listing of all items we supply, see our Spring 1951 catalog (the one with the green cover) that was mailed last winter. We also handle a complete line of plants, rooted Mum and Carnation cuttings, bulbs and plant bands. If you are interested in any of these items, write us for listings and prices.

WE'D LIKE TO HAVE YOU VISIT US. There is not a month during the year when we do not have crops flowering that will interest you. Our trial ground of annual and perennial plants is in full flower from July until frost. Our principal Snap trials are in flower during the middle of the winter and spring.

HOW TO FIND US. We are located approximately 35 miles directly west of Chicago. If you are driving find the intersection of Illinois route 59 and alternate US-30 (Roosevelt Road or 12th Street in Chicago) on your map. Proceed west from this intersection a little over a mile and you will go under a railroad overpass. About a half mile beyond this, turn right on the first road which will take you right by our office and greenhouses.

Frequent train service is available from Chicago on the Chicago and North Western R. R. to West Chicago. Or the Chicago, Aurora and Elgin electric line goes to Wheaton (about 50 minutes' ride). Call us at West Chicago 299, and we'll be happy to pick you up at the station.

George H. Ball

President

CATALOG No. 63—SUMMER 1951—BUSINESS TERMS

DISCOUNTS ON SEED ORDERS (Except Lawn Grass). Cash or C.O.D. Discount! When cash is enclosed, or on C.O.D.'s: under \$5.00, net; \$5.00 to \$25.00, 5%; \$25.00 and over, 8%.

On Charge Orders! If paid within 10 days from date of invoice: under \$5.00, net; \$5.00 to \$50.00, 2%; \$50.00 to \$100.00, 5%; \$100.00 and over, 8%.

NO CASH DISCOUNT on Lawn Grass, Plants, Bulbs, Plant Band Material, and other Supplies. These items **cannot** be sent C.O.D.

If this is your first order, it should be signed with some **individual's name** in writing. Payment should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance.

All prices in this catalog subject to change without notice.

All Seed Orders sent prepaid in U. S. and Canada at catalog prices.

IMPORTANT. Make all checks or money orders payable to **Geo. J. Ball, Inc., WEST Chicago, Illinois.** Not responsible for currency sent in the mail.

Business Hours (holidays excepted) are 8 to 12 and 1 to 5 Monday through Friday; 9 to 12 Saturday. Our phone number is West Chicago 299.

Our Business is with Florists only. We do not sell at retail.

Shortages. All items are offered subject to crop failures or shortages.

LIMITATION OF WARRANTY. We, Geo. J. Ball, Inc., warrant, to the extent of the purchase price, that Seeds, Plants or Bulbs sold are as described on the container, within recognized tolerances. We give no other or further warranty, express or implied.

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Ball Hybrid Snapdragons

(ANTIRRHINUM)

Snapdragons are gaining favor steadily as an all-season cut flower crop. Starting in December the market returns seem to hold up steadily until Easter, and even after. Snapdragons find a ready market in May and June due to the scarcity of other cut flower material.

As one contribution to increased profits from your Snapdragon crops, we are pleased to offer several completely new, improved, faster blooming Hybrid varieties. Read the descriptions carefully, however, as some varieties have limited use during certain seasons.

For a discussion of new ideas for growing Snapdragons, turn to page 5.



B. H. No. 3
"Pink Cloud"
Has tremendously vigorous, yet clean growth.



B. H. No. 9
"Rosanna"
A mid-season rose with exceptional production.



B. H. No. 5
"Snowman"
Clearly the finest pure white Snap offered.



B. H. No. 8
"Navajo"
Vastly improves our No. 7 for sturdiness and length of stem and spike. Same color.

B. H. No. 1
"Golden Spike"
A favorite among yellows wherever grown.



BALL HYBRID SNAPS

- **Ball Yellow Hyb. No. 1, "Golden Spike."** A rich, deep golden yellow with long, tapering spikes and heavy stems. Exceptionally heavy producer. Best for mid-winter blooming.
- **Ball Pink Hyb. No. 2.** Medium pink. While some like it for its earliness and production, we like Nos. 3 and 4 better.
- **Ball Pink Hyb. No. 3, "Pink Cloud."** (Formerly Exp. Hyb. No. 69.) A medium pink. Offers an amazing combination of fast growth and early blooming with long stems, spikes and really large flowers. Apt to be soft in mid-winter; recommended for spring. **Limit, 2 tr. pkts. per customer.**
- **Ball Pink Hyb. No. 4, "Pink Monarch."** (Formerly Exp. Hyb. No. 86.) A rose-pink with large, attractive florets and an exceptionally hard, clean stem.
- **Ball White Hyb. No. 5, "Snowman."** (Formerly Exp. Hyb. No. 57.) Pure white with no suggestion of ivory. Good production, early; stiff stem and graceful flower spike. For mid-winter.
- **Ball Bronze Hyb. No. 6, "Indian Chief."** (Formerly Exp. Hyb. No. 14.) Bright, rich bronze; attractive spike and good placement of florets. For late winter and spring.
- **Ball Red Hyb. No. 7.** Velvet Supreme color. Excellent for earliness and free production, but we prefer No. 8.

- **Ball Red Hyb. No. 8, "Navajo."** (Formerly Exp. Hyb. No. 91.) Our best red. Long tapering spikes and fine, bright red color.
- **Ball Rose Hyb. No. 9, "Rosanna."** (Formerly Exp. Hyb. No. 40.) Strong, clean-growing, heavy-producing deep rose. Early.
- **Hybrid Formula Mixed.** Mixture of Hybrid Snaps.

Ball Hybrid Snaps—A Collection

2 tr. pkts. each B. H. Nos. 1 and 5.
1 tr. pkt. each B. H. Nos. 2, 3, 4, 6, and 9.
½ tr. pkt. each B. H. Nos. 7 and 8.

Total of 10 tr. pkts. (collection) \$27.00

Prices all above Ball Hybrids: ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

Forcing Snapdragons

(ANTIRRHINUM)

Our Variety Recommendations:

THE BALL "20 BEST" LIST

This list is based upon our complete greenhouse flowering trials, reports which our customers have sent us, and our sales figures.

LIGHT PINK

- **Christina.** HYBRID. (Yoder.) Two years' experience with this variety indicates that it is "tops." Sturdy stem and long spike. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.
- **MARY ELLEN.** HYBRID. (Yoder.) Popular light pink; one of the first Hybrid Snaps. ½ tr. pkt., \$1.50; tr. pkt., \$2.50.
- **Maryland Pink.** HYBRID. (Winkler.) Standard early pink. Good producer. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

MEDIUM PINK

- **Dorcas Jane.** HYBRID. (Burkey.) A favorite pink with good stems and long spikes of clear, silvery rose. ½ tr. pkt., \$1.50; tr. pkt., \$2.50.
- **Ball Pink Hyb. No. 3, "Pink Cloud."** (New.) Extra vigorous medium pink. See opposite page. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.
- **Ball Pink Hyb. No. 4, "Pink Monarch."** (New.) Strong stemmed rose-pink. See opposite page. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

ROSE

- **Ball Rose Hyb. No. 9, "Rosanna."** (New.) Excellent deep rose. See opposite page. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.
- **Christmas Cheer.** HYBRID. (Windmiller.) Extra early and productive, bright rose-pink. One of the most popular Hybrids. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.
- **Delworth's Supreme.** Early flowering, fairly deep rose-pink. Tr. pkt., \$1.50.
- **Peggy Schumann.** Here's a variety that's been on our "best" list for a long time. Creamy rose-pink with good spikes of well-spaced florets. Best for a spring crop. Tr. pkt., \$2.00.

RED and LAVENDER

- **Ball Red Hybrid No. 8, "Navajo."** (New.) Rich, scarlet crimson. See opposite page. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.
- **Ball Lavender.** Most popular variety in this color class. The color is bright, rosy lavender; stems are long and strong. This, as well as other lavender varieties, is inclined to be late and should be flowered from February on. Tr. pkt., \$1.50.

BRONZE

- **Ball Bronze Hyb. No. 6, "Indian Chief."** (New.) Bright, rich bronze. See opposite page. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.
- **Barbara.** HYBRID. (Yoder.) Large flowered bronze with pink throat. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.
- **Lady Dorothy.** A bright orange-bronze with long, tapering spikes. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

SINGLE STEMMED SNAP CULTURE

A more uniform crop, better stems and spikes, and a good flower from every plant—these, plus a 4- to 6-weeks' saving in growing time are the advantages of single stemmed Snap culture. Spaced 4x6 inches (or 3½x6 in.), you get a top quality flower from each 24 sq. in. Spaced 8x9 inches and pinched, you'll probably average around 2½ good flowers for each 72 sq. in.—a poorer yield than if grown single stemmed. Retail growers should bear in mind, however, that a single stemmed crop, because of its uniformity, will cut out much more quickly than a pinched one.

The following dates for single stemmed culture are approximate and are based on the use of raised benches:

Sow	To Flower	Sow	To Flower
Aug. 10	Late Dec.	Oct. 1	Mid-March
Sept. 1	Feb.	Nov. 1	Early April
Sept. 16	Early March	Dec. 15	Mid-May

Recommended Varieties for Single Stemmed Culture:

Ball Yellow Hyb. No. 1, "Golden Spike"
Ball Pink Hyb. No. 3, "Pink Cloud"
Ball Pink Hyb. No. 4, "Pink Monarch"
Ball White Hyb. No. 5, "Snowman"
Ball Bronze Hyb. No. 6, "Indian Chief"
Ball Red Hyb. No. 8, "Navajo"
Ball Rose Hyb. No. 9, "Rosanna"
Christina Ball Lavender Barbara

WHITE

- **Ball White Hyb. No. 5, "Snowman."** (New.) Pure white for mid-winter. See opposite page. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.
- **Margaret.** This clean-growing and productive ivory-white is the most-called-for variety on our entire list. Seems to be equally at home in all localities. Mid-season in flowering. Tr. pkt., \$2.00.
- **White Wonder Improved.** A very satisfactory pure white for late winter and spring. Stems are long and firm with spikes of good length. Our own reselected strain. Tr. pkt., \$1.50.

YELLOW

- **Ball Yellow Hyb. No. 1, "Golden Spike."** Our finest yellow for mid-winter. See opposite page. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.
- **Patricia.** HYBRID. (Yoder.) Medium yellow. Habit similar to Margaret. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

PLEASE NOTE

½ tr. pkts. of any varieties priced at \$1.00 are supplied at 60c; ½ pkts. of \$1.50 varieties, \$1.00. No ½ pkts. on \$2.00 or \$3.00 varieties EXCEPT WHERE NOTED.

Forcing Snapdragons

(ANTIRRHINUM)

COMPLETE LIST OF VARIETIES

LIGHT PINK

Tr. Pkt.

- **Christina.** HYBRID. (Yoder.) The best medium light pink we've seen in some time. ½ tr. pkt., \$1.75.....\$3.00
- Daybreak.** Clear light pink..... 1.00
- La France.** Light pink for late winter and spring..... 1.50
- Maiden's Blush Imp.** Pale pink. ½ tr. pkt., 85c..... 1.50
- Marie Louise.** A beautiful light shell-pink. Especially choice color for spring..... 2.00
- **Mary Ellen.** HYBRID. (Yoder.) Same color as Maryland Pink but somewhat later and stronger. ½ tr. pkt., \$1.50..... 2.50
- **Maryland Pink.** HYBRID. (Winkler.) Creamy light pink. Early and productive. ½ tr. pkt., \$1.75..... 3.00
- St. Louis Pink.** Excellent light pink for spring..... 1.50

MEDIUM PINK

- Ball Pink Hyb. No. 2.** Medium pink. While some like it for earliness and production, we like Nos. 3 and 4 better. ½ tr. pkt., \$1.75..... 3.00
- **Ball Pink Hyb. No. 3, "Pink Cloud."** (New.) Medium pink. See page 2. Limit 2 tr. pkts. per customer. ½ tr. pkt., \$1.75..... 3.00
- **Ball Pink Hyb. No. 4, "Pink Monarch."** (New.) Rose-pink. See page 2. ½ tr. pkt., \$1.75..... 3.00
- Cheviot Maid No. 33.** The best of the many Cheviot Maid strains. Between rose and pink in color..... 1.50
- **Dorcas Jane.** HYBRID. (Burkey.) Good stems and long spikes of silvery rose-pink. ½ tr. pkt., \$1.50..... 2.50
- Early Cincinnati.** Early flowering medium pink..... 1.00
- New Cincinnati.** Medium rose-pink with shatter-proof spikes and extra long, stiff stems..... 1.00

ROSE

- America.** Very attractive rose and orange bicolor..... 1.50
- **Ball Rose Hyb. No. 9, "Rosanna."** (New.) Deep rose. See page 2. ½ tr. pkt., \$1.75..... 3.00
- Better Times.** HYBRID. (Windmiller.) Bright cerise-rose. Medium length stems; compact spikes. ½ tr. pkt., \$1.25..... 2.00
- Charm.** Extra large deep rose. Heavy spikes, but stems rather short for raised benches..... 2.50
- Cheviot Maid Reselected.** Popular rose-pink..... 1.00
- **Christmas Cheer.** HYBRID. (Windmiller.) Extra early and productive, bright rose-pink. ½ tr. pkt., \$1.75..... 3.00
- **Delworth's Supreme.** Long, strong stems and good spikes of deep rose. A true early..... 1.50
- Gilbert's Pink Supreme Queen.** Deep rose-pink..... 2.00
- Maxine.** HYBRID. (Smith.) Winter flowering rose-pink. Slightly deeper than Dorcas Jane. ½ tr. pkt., \$1.75... 3.00
- **Peggy Schumann.** Beautiful creamy rose-pink. One of the best spring flowering varieties..... 2.00
- Rockwood Pink Supreme.** A fairly deep, bright rose-pink; compact spikes and heavy stems..... 2.00
- Rose Queen.** Deep rose; an old time favorite..... 1.00
- Tetraploid Rose.** Extra large, deep cerise-rose. This is a true winter flowering tetraploid..... 1.50

PLEASE NOTE

½ tr. pkts. of any varieties priced at \$1.00 are supplied at 60c; ½ pkts. of \$1.50 varieties, \$1.00. No ½ pkts. on \$2.00 or \$3.00 varieties **EXCEPT WHERE NOTED.**

WHITE

Tr. Pkt.

- **Ball White Hyb. No. 5, "Snowman."** (New.) Pure white. See page 2. ½ tr. pkt., \$1.75.....\$3.00
- Junglewood White.** Extra long stemmed, pure white. Rather late flowering with us. ½ tr. pkt., \$1.25..... 2.00
- Koester's White.** Extra early, pure white with medium length stems. We prefer Peace..... 1.50
- Lucky Strike Imp.** Long stemmed ivory-white. We consider Margaret much superior..... 1.50
- Madeline.** Late flowering pure white..... 2.00
- **Margaret.** Clean ivory-white; very productive. The most popular variety on our entire list..... 2.00
- Marion.** Popular spring flowering white..... 1.50
- Maryland White.** HYBRID. (New—Winkler.) Mid-season pure white. Broad, medium length spikes with large florets. ½ tr. pkt., \$1.75..... 3.00
- Peace.** Pure white. Though a true early, it's at its best in spring..... 1.50
- Rockwood's Crystal White.** Pure white. Recommended for late spring and early summer only..... 3.00
- Schaffroth's White.** Long stemmed, creamy white..... 1.50
- Schlegel's White.** Early, vigorous white..... 1.50
- Snowdrift.** Double flowering white. At its best during spring months. ½ tr. pkt., \$1.75..... 3.00
- Snow White.** Fine spring white; many flowers duplexed. 1.50
- Tommy Armstrong.** A first class pure white for late winter and spring. Stems are clean and hard with closely spaced flower spikes..... 3.00
- Westover's Fringed White.** Large, attractively fringed white. One of the better varieties for spring..... 1.00
- Westover's Fringed White, Early.** Early strain of above. 1.50
- **White Wonder Imp.** This is our own long stemmed strain and should not be confused with the original short stemmed variety..... 1.50

YELLOW

- **Ball Yellow Hyb. No. 1, "Golden Spike."** Golden yellow for mid-winter. See page 2. ½ tr. pkt., \$1.75..... 3.00
- Carol Jean.** Light creamy yellow..... 2.00
- Ceylon Court.** Medium yellow for spring..... 1.00
- Coate's Yellow Perfection.** Spring flowering yellow.... 1.00
- Ethel.** The most satisfactory self-pollinated yellow; extra clean and uniform..... 1.50
- Goldrush.** HYBRID. (Winkler.) Large flowered medium yellow. A good producer. ½ tr. pkt., \$1.75..... 3.00
- Junglewood Lemon.** Light yellow. ½ tr. pkt., \$1.25.. 2.00
- Junglewood Yellow.** A clean growing, rich yellow by the introducer of Junglewood White. ½ tr. pkt., \$1.25.... 2.00
- Klondyke Supreme.** Rich deep yellow. A vigorous growing, large flowered variety..... 1.00
- **Patricia.** HYBRID. (Yoder.) Medium yellow. Habit similar to Margaret. ½ tr. pkt., \$1.75..... 3.00
- Thomson's Yellow Imp.** Early flowering, deep yellow. Better spike and uniformity than Yellow Wonder..... 2.00
- Yellow Peggy Schumann.** For spring..... 2.00
- Yellow Wonder Imp.** Extra early, but with some unevenness in color and habit of growth..... 1.50

Forcing Snapdragons

(ANTIRRHINUM)

COMPLETE LIST OF VARIETIES—Continued

BRONZE

	Tr. Pkt.
Afterglow. Bright orange-bronze; still widely grown....	\$1.00
● Ball Bronze Hyb. No. 6, "Indian Chief." (New.) Scarlet-bronze. See page 2. ½ tr. pkt., \$1.75.....	3.00
● Barbara. HYBRID. (Yoder.) Large flowered bronze with pink throat. ½ tr. pkt., \$1.75.....	3.00
Bronze Christmas Cheer. ½ tr. pkt., \$1.25.....	2.00
Glorious. Bright reddish bronze for spring.....	1.50
Ideal Improved. Blend of rose, orange and yellow.....	1.50
Jubilee. HYBRID. (Winkler.) Light golden bronze. Habit similar to Goldrush. ½ tr. pkt., \$1.75.....	3.00
Kirkwood Beauty. Orange-bronze.....	1.00
● Lady Dorothy. Bright orange-bronze. The best in this color class for mid-winter. ½ tr. pkt., \$1.75.....	3.00
Miss Wooster. Spring flowering, golden orange.....	1.00
Schlegel's Early Bronze. An improved Bronze Christmas Cheer, with better flowers and habit.....	2.00
Sunlite. Extra early light bronze.....	1.00
Talisman Imp. Double and semi-double golden bronze..	2.00

LAVENDER

● Ball Lavender. Long stemmed and strong growing with good spikes of bright rosy lavender.....	1.50
Bertha Baur. Prefer Ball Lavender.....	1.50
Schumann's Lavender. Popular spring variety.....	2.00
Windmillers Lilac. Long stemmed rosy lilac.....	2.00

RED

	Tr. Pkt.
Ball Red Hyb. No. 7. Bright scarlet-crimson. ½ tr. pkt., \$1.75	\$3.00
● Ball Red Hyb. No. 8, "Navajo." (New.) Improves No. 7 in sturdiness and length of stem and spike. Same color. See page 2. ½ tr. pkt., \$1.75.....	3.00
Priscilla Ann. HYBRID. (New—Yoder.) Originator's description: "A vigorous grower with long, graceful spikes of large, velvety crimson florets. The earliest of our hybrids." We have not had an opportunity to grow this variety yet. ½ tr. pkt., \$1.75.....	3.00
Red Lips. Bright wine-red with gold lip and white tube. An attractive bicolor novelty.....	2.00
Shisler's Red. Attractive wine-red. True to color and a good hard stemmed variety for spring.....	2.00

MIXTURES

Hybrid Formula Mixed. Mixture of hybrid Snaps. ½ tr. pkt., \$1.75.....	3.00
Ball Forcing Mixture. Carefully blended by formula from the best varieties only.....	1.00
Standard Early Mixed. All varieties.....	.75

PLEASE NOTE

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If the variety you want is not listed, send us your order and we will get it for you or suggest a satisfactory substitute.

NOTES ON SNAP CULTURE

There isn't much doubt but that Snaps are the most versatile, responsive and profitable seed produced cut flower crop that any grower handles today. And the advent of those increasingly remarkable Hybrids has served to spur still further the Snapdragon's wide popularity and usefulness. Yes, we've come a long way since the first so-called forcing varieties like Jennie Schneider and Nelrose; and we here at Ball's are proud to have played a part in this development during the past 20 years.

About Varieties. Of the 80 or so varieties in commercial use at present, the following are among the more generally satisfactory: **white**, Ball White Hyb. No. 5 (Snowman), White Wonder Imp., Margaret; **light pink**, Christina, Maryland Pink, Mary Ellen; **medium pink**, Dorcas Jane, Ball Pink Hyb. Nos. 3 (Pink Cloud) and 4 (Pink Monarch); **rose**, Christmas Cheer, Ball Rose Hyb. No. 9 Rosanna, Peggy Schumann, Delworth's Supreme; **yellow**, Ball Yellow Hyb. No. 1 (Golden Spike), Ethel, Patricia; **bronze**, Barbara, Ball Bronze Hyb. No. 6 (Indian Chief), Lady Dorothy; **lavender**, Ball Lavender; **red**, Ball Red Hybrids Nos. 7 and 8 Navajo, Shisler's Red. Particularly important in winter is the use of clean growing varieties with a minimum of side growth.

Handling the Crop. Figure on around 3 weeks from seed sowing until seedlings are ready to handle in summer—about 5 weeks in winter. If benches are ready, seedlings may go directly into them; otherwise, into 2- or 2½-inch bands or open beds spaced about 3x3 inches. Either way, they should be benched unpinched when

around 4 inches tall, spacing about 8x8 inches for a pinched crop. We pinch them at a height of 8 inches or so, leaving 4 sets of leaves. After the breaks have reached a length of around 1½ inches, they should be pruned to the four best. Night temperatures of 50° (except 45° during December) are satisfactory. Some ventilation in winter is important except on the very coldest days. Little fertilizing should be done during the darkest days, with light applications of a balanced plant food as days get longer, if soil tests indicate a need. A regular insect control program is important. Possibilities are Parathion aerosols and Vapotone spray.

Sowing and Flowering Dates. The following table refers to the conventional pinched crop. The dates are approximate and for raised benches.

Sow	To Flower	Sow	To Flower
July 15	Late December	September 1	Mid-March
August 10	February	October 1	Early April
August 20	Early March	November 15	Mid-May

For single stemmed culture, see schedule on page 3.

Cloth House Culture. Probably not greenhouse quality, but good Snaps in June when you need them. Best bet is to sow March 1, band in 2½ inch, plant to cloth house in early May. Grown single stemmed you should cut flowers in early June before weather gets too hot. Wire and string supports, of course.



BALL RED

Compare it with any other red and it alone will be found a pure glowing scarlet—no rose shading, and—extra large flowers and compact habit.

Ball Begonias

FIBROUS ROOTED

(30,000 seeds per $\frac{1}{32}$ oz.)

If our seed and plant sales are an accurate indicator, Begonias are rapidly increasing in popularity as versatile all-around potted plants. They are equally "at home" in 5 inch pots, as less expensive plants in 3 or 4 inch pots, and in combinations of all sorts. Here is one plant which will do well in the low-light, high-temperature conditions of modern homes.

The extreme fineness of Begonia seed and the difficulties involved in getting the better varieties to seed freely are two reasons for our handling this seed production in our own greenhouse at West Chicago. This seed is bred, grown, selected, harvested and cleaned under the watchful eyes of men who have had years of experience handling fine seed.

We take the greatest care to clean our seed completely and

thoroughly. You do not buy chaff when you buy a packet of this seed. Its cleanness and freshness are your assurance of rapid, complete germination.

Culture: We use clear neutral peat for germination; no covering over the seed (except paper till they sprout). Keep surface of flat moist. Use half peat, half soil for potting. They must have 60° to keep them moving—and shade in summer. For 3 inch for Christmas, sow August 1; for spring holidays figure about 16 weeks to 3 inch blooming plant; 20 weeks for 4 inch.

Varieties. We find the Dwarf types best for pots and combinations: Adeline, Ball Deep Rose, Ball Red, Luminosa Compacta, and Snowbank. Indian Maid and the Scandinavias are fine Intermediates.

Ball Begonias

FIBROUS ROOTED

(30,000 seeds per $\frac{1}{32}$ oz.)

EXTRA DWARF BEGONIAS

- **Ball Dwarf Carmen.** Extra compact habit with rich bronze leaves and light pink flowers. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$3.50.
- **Saga.** Extra dwarf and dense growth. Small, bright red flowers. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$4.00; $\frac{1}{32}$ oz., \$7.50.

DWARF CLASS

- **Adeline.** Extra free flowering bright pink; dwarf and compact. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
- **Ball Deep Rose.** In winter the color is a deep rosy red which gradually fades to a luminous pink with the coming of warmer weather. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
- **Ball Red.** Medium large flowers of bright true scarlet are freely produced on fairly dwarf, uniform plants. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
- **Ball White.** Rather small flowers but very freely produced. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- **Luminosa Compacta.** Dwarf, free flowering scarlet-red. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$3.00; $\frac{1}{32}$ oz., \$5.50.
- **Snowbank.** Large, glistening white flowers are carried on dense growing, even plants. The best white. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- **Dwarf Varieties Mixed.** Our own formula mixture of dwarf varieties. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

INTERMEDIATE CLASS

- **Carmen.** The original bronze-leaved Begonia; bright rose-pink flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
- **Fire Sea** (Blaze of Fire). Large, fiery red with green foliage. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
- **Indian Maid.** Foliage a deep lustrous bronze with scarlet flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- **King of the Reds.** Free flowering rose-red; vigorous growth. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- **Luminosa.** Very attractive and popular scarlet-red. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$3.00; $\frac{1}{32}$ oz., \$5.50.
- **Prima Donna.** Medium rose-pink. Prefer Scandinavia Pink. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.
- **Salmon Queen.** Salmon shaded rose with dark foliage. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- **Scandinavia Pink.** Very free flowering bright rose-pink. Fine bushy habit. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
- **Scandinavia Red.** Identical to the above except for its bright red flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
- **Scandinavia White.** A white Scandinavia selection. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.
- **White Pearl.** Medium sized white flowers with green leaves, tinged pink; reddish stems. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50.
- **Intermediate Varieties Mixed.** Made up of the above separate colors. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

TALL CLASS

- **Christmas Cheer.** Large flowered, deep crimson-rose. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.
- **Masterpiece.** Extra large flowered, light pink. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
- **Pink Radio.** Extra large flowered, rich rose. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
- **Silver Wings.** Extra large, pure white flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.
- **Tall Varieties Mixed.** A formula mixture of the above strong growing sorts. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

HETEROSIS (HYBRID) STRAINS

- **Gruga.** Dwarf. Large flowers of Adeline pink. Habit similar to Ball Red. Tr. pkts. only, \$1.50.
- **Tausendschon.** (New.) Dwarf. Bright pink; closely resembles Adeline and Pink Pearl in habit. Originator's seed. Tr. pkt., \$1.25.
- **Pink Pearl.** Resembles Adeline in flower size, rich pink color and uniformly dwarf, compact growth. Originator's tr. pkts. only, \$1.50.
- **Red Pearl.** Dwarf. Identical to Pink Pearl except for its Luminosa red color. Originator's imported Hybrid seed. Tr. pkts. only, \$1.50.

OTHER BEGONIAS



TUBEROUS BEGONIA

6 months from seed! Sow Jan. 1—a minimum 60° temperature will give a blooming 4-inch by early summer.

TUBEROUS ROOTED SEPARATE COLORS

We offer seeds of the following separate colors of the fully double Camellia type Tuberous Rooted Begonia:

Red	Orange	Salmon	Yellow
Scarlet	Rose	Copper	White

Prices above 8 separate colors, each: tr. pkt., \$2.50.

- **Tuberous Rooted Double Mixed.** Gorgeous colors with 80% to 90% good doubles. Tr. pkt., \$2.50.
- **Tuberous Rooted Single Mixed.** Attractive mixture; large flowered. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.
- **Lloydii Mixed.** Double flowers, about 2 inches, in shades of scarlet, rose, salmon and white. Tr. pkt., \$3.00.
- **Rex Hybrids.** Mixture of ornamental leaved Rex Begonias; many unusual variations. Tr. pkts. only, \$1.00.
- **Doty's Calla Queen.** A novelty Fibrous Rooted Begonia with attractively variegated green and white foliage which contrasts vividly with its red and pink flowers. Needs pinching. Originator's tr. pkt., \$3.00; $\frac{1}{2}$ tr. pkt., \$1.75.

Calceolarias

(20,000 seeds per $\frac{1}{32}$ oz.)



CALCEOLARIA BALL MULTIFLORA NANA

While Calceolarias aren't difficult to grow, they are rather exacting in their requirements. But they do sell, for it is difficult to imagine a more showy pot plant. To make 5-inch plants for Easter, seed should be sown around Aug. 15. In sowing use only loose, sterilized material. The seed is very fine and no soil covering should be used. When large enough to handle, they should be banded in $2\frac{1}{2}$'s—later they may go into 5-inch pots. Cool temperatures (45° - 48° nights) are important after plants are well up; and from late winter on they'll need protection from direct sun. Regular fumigation is essential, too. Ball Multiflora Nana Mixture is the most popular variety.

● **Ball Multiflora Nana Mixture.** Large heads of medium sized flowers in brilliant reds, yellows and intermediate shades. The dwarf plants are wiry in growth with small durable leaves. Tr. pkt., \$1.00; $\frac{1}{128}$ oz., \$2.35; $\frac{1}{64}$ oz., \$4.35; $\frac{1}{32}$ oz., \$8.00.

Cloth of Gold. Medium large, golden yellow flowers. Very showy. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

● **Duplex Hybrids Mixed.** Upper pouch of each flower is almost as large as the lower, giving an attractive duplexed effect. Plants are bushy and fairly dwarf; nice color mixture. Tr. pkt., \$1.00; $\frac{1}{128}$ oz., \$2.00; $\frac{1}{64}$ oz., \$3.50.

● **Dwarf Tigered or Spotted.** Various spotted shades of red, yellow and rosy bronze. Dwarf and compact; needs no staking. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

Flower Cloud. Cloud-like heads of small flowers in shades of yellow, orange and bronze. Tr. pkt., \$1.50; $\frac{1}{128}$ oz., \$3.50.

● **Grandiflora Dwarf Mixed.** Extra large flowers in unusual and striking colors are carried on dwarf plants. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.

Grandiflora Mixed. A tall growing strain of the above. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

Indian Prince. A bright scarlet Multiflora Nana selection. Tr. pkt., \$1.00; $\frac{1}{128}$ oz., \$2.35.

Perennial Hybrids (Rugosa). A very small flowered type for large exhibition work and bedding. Tr. pkt., \$1.00.

Red Triumph. A separate color selection of Triumph, 90% true scarlet-red. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.

● **Triumph Strain.** Medium large flowers; mostly bright reds and yellows. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.

Cinerarias



Nothing more colorful than Cinerarias for an inexpensive spring potted plant. Cremer's and Siter's are both excellent varieties.

The value of Cinerarias lies in their popular and appealing colors plus the ease and low cost at which they can be grown.

Seed is usually sown from late July thru September for winter and spring pot plants. To avoid damping off, transplant the seedlings to $2\frac{1}{2}$ inch plant bands as soon as they can be handled. Before they become root-bound, shift into their final size pot. While this method calls for a little care in preventing over-watering until they make new roots, we find it produces better results, with less labor, than handling them in small pots which dry out rapidly during warm, sunny weather.

● **Siter's Rainbow Strain.** 3500 seeds per $\frac{1}{32}$ oz. An excellent market strain with immense heads of medium large mostly white-eyed flowers and small foliage. Tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

● **Multiflora Nana, Gold Center.** 6300 seeds per $\frac{1}{32}$ oz. Attractive medium small, solid-colored flowers with yellow anthers. Good shipper. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

● **Cremer's Prize Strain.** (Our own reselected stock.) 6300 seeds per $\frac{1}{32}$ oz. Extra large heads of medium small flowers in widely varied color assortment; about half light eyed. An excellent commercial strain. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00; $\frac{1}{16}$ oz., \$7.50.

Stellata Mixture. (Star type.) Small, free flowering strain. 24 to 30 in. tall. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.25; $\frac{1}{32}$ oz., \$2.25.

● **"Vivid" Formula Mixture.** Because of increasing demand, we are offering this mixture of solid colors, which we blend ourselves; ranging from salmon and azure-blue to blood-red and dark blue. Habit is dwarf with well rounded heads. Tr. pkt. (1000 seeds), \$1.50; $\frac{1}{64}$ oz., \$2.75. Separate colors available on request at same price.

● **No. 1 Mixture.** Contains $\frac{1}{2}$ Cremer's Prize Strain and Siter's Rainbow Strains in equal proportions. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.

● **No. 2 Mixture.** Contains $\frac{1}{2}$ Cremer's Prize Strain and $\frac{1}{4}$ each Siter's Rainbow Strain and Multiflora Nana, Gold Center Strain. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.

CINERARIAS, continued next page ➡

Ball's Cyclamen

A WORD ABOUT OUR CYCLAMEN

Repeated observations of Cyclamen flowering trials in our own greenhouses, as well as careful examination of the leading strains grown in Europe and America, have led us to believe that no one Cyclamen seed specialist excels in all varieties. As a result, the Cyclamen seed we offer on this page as Ball's strain has been obtained from several of the world's most qualified Cyclamen specialists.

CULTURE

Sowing: To have mostly 4's and 5's in flower by Christmas, a few later, sow 40% October 1, 40% November 1, 20% January 1.

A late July sowing makes heavy 6's for Christmas. Sow February 1 for nicely flowered 4's for Saint Valentine's Day. 65° best for germination; they sprout well in peat.

Growing: Best soil clear thru: 2 parts soil, 2 parts peat, 2 parts manure plus phosphate, plus regular feeding with balanced fertilizer. Transplant seedlings to flats, then to 3 inch, then to 5 or 6 inch. Many go direct from transplant to 4 inch. Growing temperature 55°. Shade, humidity in summer.



A photo of our 1951 Cyclamen flowering trials, representative strains from over a dozen different growers in Europe and America. Geo. K. Ball looking them over.

Mites love it hot and dry. So keep foliage moist, house shaded, cool in hot weather. Wet foliage every hot afternoon. Spray every week with 15% wettable powder Parathion at 2 ounces per 10 gallons of water—plus Dreft for spreader.

DISCOUNTS—250 of a variety at 1000 rate (except Vogt's). 10,000 to 25,000 seeds, any assortment of varieties, less 5%; over 25,000, less 10%.

	100 Seeds	1000 Seeds
No. 1 Dark Blood-Red	\$1.75	\$16.00
No. 2 Bright Red	1.75	16.00
No. 3 Pure Rose (Rose of Aalsmeer)	1.75	16.00
No. 4 Soft Rose with carmine eye. (Improved Rose of Marienthal)	1.75	16.00
No. 5 White with carmine eye	1.75	16.00
No. 6 Pure White	1.75	16.00
No. 7 Bonfire. Brilliant salmon	2.25	20.00
No. 8 Salmon-Scarlet (America Imp.)	2.30	21.00
No. 9 New Salmon-Rose Imp.	2.25	20.00
No. 10 Glory of Wandsbek (Perle of Zehlendorf). Dark salmon	2.20	18.00
No. 11 Rose of Zehlendorf. Light salmon .	2.20	18.00
No. 12 Orange Beauty. Orange-vermilion .	2.30	21.00

	100 Seeds	1000 Seeds
No. 13 Rococo Mixed. Fringed flowers; unusual shapes and markings	\$2.25	\$20.00
No. 14 Morning Red	2.20	18.00
No. 15 Dirk Baardse. Soft wine-red	2.25	20.00
No. 16 Saffron Red-Silver Edged	2.25	20.00
No. 17 Striped Varieties Mixed	2.20	18.00
No. 18 Mozart. Deep pink	2.30	21.00
No. 19 Lavender	1.75	16.00
No. 21 Pink Pearl. Salmon-pink	2.30	21.00
No. 22 Baardse Wonder. Salmon with white border	2.25	20.00
No. 24 Roseum Oculatum. Light pink, salmon eye	2.20	18.00
No. 26 Victoria. Fringed white, tipped red .	2.25	20.00
No. 30 Mixture of above colors	1.65	15.00
No. 50 Ruffled Lavender	2.30	21.00
No. 51 Ruffled Salmon	2.30	21.00
No. 52 Ruffled White	2.30	21.00
No. 53 Ruffled Dark Red	2.30	21.00
No. 60 Ruffled Mixture	2.30	21.00

CINERARIAS, Continued

Ball Copper-Scarlet. Compact small-leaved plants with medium sized, bright copper tinged, scarlet flowers. Uniform and attractive. Tr. pkt., \$1.50; 1/64 oz., \$2.25.

● **Berlin Market Mixed.** (White-Eyed or Weissensee Strain.) 3500 seeds per 1/32 oz. Large rounded heads of medium large flowers. Tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.25.

Berlin Market, Dark Crimson. A deep crimson selection without any eye. Tr. pkt., \$1.00; 1/64 oz., \$1.75.

Dwarf Giant Exhibition Mixture. Extra large (4 to 5 in.) flowers in a wide color range on fairly dwarf plants. For exhibition work only. Tr. pkt., \$1.50; 1/64 oz., \$2.50.

● **Grandiflora Dwarf Mixed.** 3500 seeds per 1/32 oz. Large flowers in a wide assortment of rich colors with contrasting large white eyes. Extra dwarf and compact growth. Tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.25.

VOGT'S DOUBLE-FLOWERED STRAIN

Admiration. Salmon-rose with shaded eye.

Mixture.

Prices above 2, each: 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$13.00; 1000 seeds, \$25.00.

The dot (●) indicates varieties most dependably satisfactory in our experience and observation.

Florists' Delphinium

(10,000 seeds per oz.)

GIANT PACIFIC HYBRIDS Court Series

OUR "6 BEST" GIANT PACIFICS

Galahad	Summer Skies	Black Knight
Blue Bird	King Arthur	Guinevere

- **Black Knight.** Deep midnight violet. The darkest of all.
- **Blue Bird.** The clearest of medium blues; white bees.
Blue Jay. A brilliant true medium blue with dark bee.
Cameliard. A pure lavender with white bee. Very attractive.
- **Galahad.** The finest clear white Delphinium. Huge, double flowers on long, closely set spikes.
- **Guinevere.** Excellent, light pinkish lavender; white bee.
- **King Arthur.** Royal violet with white bee. Exceptional size.
- **Percival.** Large, glistening white flowers with strongly contrasting black bees.
- **Summer Skies.** Light blue with an attractively contrasting white bee.
- **6 Best Mix.** Formula mixture of the "6 Best" varieties.
Round Table. Contains all above plus many new colors.

Prices of Above

Originator's Seed (Vetterle & Reinelt). An excellent strain of Giant Pacific Hybrids kept uniform and vigorous by the originator. All above varieties are available in Originator's Seed. ½ tr. pkt., \$1.00; tr. pkt., \$1.75; ¼ oz., \$3.00; ½ oz., \$5.00; 1 oz., \$18.00.

Regular Seed. A satisfactory strain one generation removed from originator's seed. Grown by a reliable seed producer. The above varieties are available. Tr. pkt., \$1.25; ¼ oz., \$2.50; ½ oz., \$4.00; 1 oz., \$14.00.

PINK DELPHINIUM

Elaine. (New—Not available till December.) The best new pink Delphinium available. Described by the originator as "stabilized" for the more desirable pink shades which appear in Astolat.

Originator's Seed: ½ tr. pkt., \$1.50; tr. pkt., \$2.50; ¼ oz., \$5.50; ½ oz., \$10.00; 1 oz., \$30.00.

Astolat. (New). This series is composed principally of pale blush shades with several darker tones including a few raspberry-rose. All have dark bees.

Originator's Seed: ½ tr. pkt., \$1.25; tr. pkt., \$2.00; ¼ oz., \$4.50; ½ oz., \$8.00; 1 oz., \$24.00.

Regular Seed: ½ tr. pkt., \$1.00; tr. pkt., \$1.75; ¼ oz., \$3.00; ½ oz., \$5.00; 1 oz., \$18.00. Seed not available until new crop expected in August.

GIANT PACIFIC HYBRIDS Regular Strain

Clear White. A fine clear white, large flowered hybrid.

Blue Shades. Mixture of light, medium and dark blue shades.

Lavender Pastel Shades. Lavender combinations with dark blue.

Mixture. A complete mixture of all colors in this fine hybrid type.

Prices above 4, each: tr. pkt., \$1.00; ¼ oz., \$2.00; ½ oz., \$3.50; 1 oz., \$12.00.

Whether you grow for cut flowers indoors or out—or for a plant trade, Delphinium should be a part of your program. And the wonderfully fine Giant Pacific Hybrids should head your list of varieties.

For outdoor cut flowers: Sow Sept. 1 thinly, direct to a cold frame—fresh seed and cooler weather then helps sprouting. In late fall remove sash and protect with some loose, coarse material. You'll have fine plants either for field planting or plant sales the next spring.

For greenhouse forcing: Sow Aug. 1, transplant seedlings to cold frame when ready. About Dec. 1 move them to a cold house, spacing 6x8 in. for hybrids; 6x6 in. for Belladonna types. Feb. 1 run them up to 40° nights, gradually increasing to 50°. You'll cut excellent spikes from Mother's Day well into July.

Diseases: Bacterial crown rot is best controlled by changing the location for each new planting; elevating the rows some or planting in ground beds with 6 or 8 in. sideboards so that soil drains readily and using care in watering (overhead irrigation not advisable). Bordeaux Mixture is reported to give considerable control in some cases.

OTHER VARIETIES

- **Belladonna Imp.** (Cliveden Beauty). A carefully reselected strain of this popular light blue. Tr. pkt., 35c; ¼ oz., 95c; 1 oz., \$2.85; 4 ozs., \$10.00; 1 lb., \$35.00.

Belladonna. Light blue. Tr. pkt., 30c; ¼ oz., 70c; 1 oz., \$2.20.

Bellamosum Improved. A reselected strain of this standard deep blue. Tr. pkt., 35c; ¼ oz., 95c; 1 oz., \$2.85; 4 ozs., \$10.00; 1 lb., \$35.00.

- **Lamartine.** Deep, bright marine-blue with white eye. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.75.

- **Blackmore and Langdon Hybrids.** Shades of blue with contrasting bees. A fine free-flowering hybrid strain. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$2.70; 4 ozs., \$9.00.

Wrexham or Hollyhock Strain. Extra large, tapering spikes. Tr. pkt., 50c; ¼ oz., \$1.60; 1 oz., \$5.50.

Gold Medal Hybrids. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Cardinale. Bright scarlet. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

DELPHINIUM CHINENSIS (Annual Delphinium)

(20,000 seeds per oz.)

- **Blue Mirror.** Bright navy-blue flowers without spurs. Tr. pkt., 50c; ¼ oz., \$1.20; 1 oz., \$3.60.

- **Cambridge Blue.** The standard Belladonna-blue variety. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.60.

White

Dark Blue

Mixture

Prices above 3, each: tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

IMPORTANT

Delphinium seed usually doesn't germinate satisfactorily after it is around ten months old. Because of this, orders for Delphinium seed received after June 1st will be held for new crop seed—ready about mid-July—unless we are instructed to make immediate shipment, in which case orders will be filled with 1950 seed.



SUMMER SKIES
Light blue shades

KING ARTHUR
Dark blue shades

GALAHAD
Pure white

The dot (●) indicates varieties most dependably satisfactory in our experience and observation.



LARKSPUR SALMON SUPREME

Annual Larkspur

(8,000 seeds per oz.)

For Early Summer Cut Flowers Outdoors

If a sowing is made outdoors by growers in the near South 6 or 7 weeks before the ground freezes, plants well enough established to winter over in all except the most severe seasons can be produced. In our locality sowing should be done late enough to avoid germination before the ground freezes. With good drainage and some coarse covering, such a sowing will germinate promptly in early spring and get into flower 2 or 3 weeks before the spring sown crop.

Under Glass—Spring Flowering

For indoor growing, Larkspur is a nice crop to follow either early or late Mums. Well started 3 inch banded or potted plants should be ready, and are produced by a September or later sowing.

Space at least 12x12 in. on ground; 10x10 in. on raised beds should be ample. The after Mum planting is generally started out cool, 40° to 45° nights, increasing to 50° or more with spring weather.

Germination

Larkspur seed, as well as its perennial form, Delphinium, holds its germination for but one year—more or less. And it doesn't germinate well in high temperatures. If it must be sown when hot, better do so in flats set under a bench or in a cool shed. It requires 2 to 3 weeks to come through, sometimes longer.

New Crop Seed

is always most reliable for sowing under adverse conditions of summer heat. We have a special source for Larkspur seed (7 best varieties only) permitting delivery in early July. If you order in early summer, please specify whether you prefer to wait for new crop. After August all orders are filled with new crop.

See opposite page for variety list.

Ball Calendula

(3,000 seeds per oz.)

Breeding and selection work on Ball Calendulas was one of the accomplishments of the late Geo. J. Ball's early years in business. We are glad to report that the listed strains are in excellent shape today, having been the subject of considerable breeding work in the past several years.

Start in July or August and grow cool—not over 45° nights during fall and winter. They will not thrive in Carnation-house temperature. They need regular disbudding and prefer ground beds; otherwise very easy and inexpensive to handle.

● **Ball Improved Long Orange.** The longest stemmed and largest flowered variety. Golden orange with light eye.

● **Ball Masterpiece.** Deep glowing orange with dark eye.

● **Ball Lemon Queen.** Lemon-yellow with dark brown eye.

● **Ball Gold.** Deep golden yellow with light eye.

Ball Orange. Extra deep, intense orange. Light-eyed.

Ball Apricot. Dark eyed buff or straw-yellow.

Campfire. Popular deep orange.

Prices above 7, each: tr. pkt., 40c; ¼ oz., 60c; 1 oz., \$2.00; 4 ozs., \$6.50.

Ball Formula Mixture. Carefully made up of our named varieties with fully half orange.

Ball Art Shades Mixture. Contains many original and unusual shades and interesting bi-colors.

Prices above 2, each: tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.



CALENDULA BALL GOLD

Annual Larkspur

(8,000 seeds per oz.)

Larkspur is an extremely versatile, low-cost and high profit cut flower item when handled correctly. Here is a chance to substantially affect your net earnings. Simply take advantage of an opportunity to utilize an otherwise vacant bench or invest a small amount of labor and seed in an outdoor fall or spring sowing. Some cultural directions may be found on the opposite page.

"7 BEST"

This list is based on our greenhouse flowering trials. Generally strains which are found best under glass seem also best adapted to outdoor culture.

- **Salmon Supreme.** Medium deep rose; heavy, fully double spikes.
- **Dark Blue Supreme.** Deep violet-blue; improves Blue Spire.
- **White Supreme.** The most vigorous white according to our trials.
- **Regal Salmon-Pink.** (New.) Best in its color class; large florets.

Prices above 4 each: tr. pkt., **35c**;
½ oz., **\$1.00**; 1 oz., **\$1.80**; 4 ozs.,
\$6.00; 1 lb., **\$18.00**.

- **Super Majestic Light Blue.** An excellent light blue; outstanding.
- **Super Majestic Lavender.** Beautiful orchid-lavender; a rich color.
- **Giant Imperial Brilliant Rose.** The standard deep rose; fully double.
- **7 Best Mixture.** Blended by formula from these 7 varieties.

Prices above 4, each: tr. pkt., **25c**;
½ oz., **65c**; 1 oz., **\$1.10**; 4 ozs.,
\$3.60; 1 lb., **\$11.00**.

SPECIAL OFFER: One tr. pkt. each of above 7 varieties for **\$1.75**.

REGAL TYPE

Regal White. (New). Heavily doubled, pure white flowers are borne on compact spikes. Medium stem length.

- **Regal Rose.** Rich, deep rose, with fine, heavy spikes and large, double florets. This was outstanding in our trials.
- **Regal Salmon-Pink.** See 7 Best above.

Prices above three each: tr. pkt., **35c**;
½ oz., **\$1.00**; 1 oz., **\$1.80**; 4 ozs.,
\$6.00; 1 lb., **\$18.00**.

GIANT IMPERIALS

(Base Branching)

- **Blue Bell.** Shades of light blue.
- **Blue Spire.** Fine violet-purple.
- **Brilliant Rose.** See 7 Best, above.
- **Coral King.** Pleasing, soft coral-pink.
- **Dazzler.** Deep carmine, flecked white.
- **Exquisite Pink Imp.** Fine medium pink.
- **Gloria Imp.** Medium rose shades.
- **Lilac King.** Rich, deep bluish lavender.
- **Lilac Queen.** Orchid; lighter and rosier than Lilac King.
- **Los Angeles Imp.** Salmon-rose.
- **Miss California.** Prefer Super Majestic Rose-Pink.
- **Rosalind.** Vigorous, medium pink.
- **Rosamond.** Excellent deep rose. This is a Stock-Flowered variety.
- **Sweet Lavender.** A good lavender.
- **White Cockade.** Good pure white.
- **White King.** Standard white.
- **White Spire.**
- **Formula Mixture** of Giant Imperials.

Prices above 18, each: tr. pkt., **25c**;
½ oz., **65c**; 1 oz., **\$1.10**; 4 ozs., **\$3.60**;
1 lb., **\$11.00**.

SUPREMES

A vigorous growing, base branching class with large spikes of fully double flowers. Compares favorably with the Super Majestics in stem length and spike quality.

- **Dark Blue Supreme.** See 7 Best, above.
- **Lilac Supreme.** Good rosy lavender.
- **Rose Supreme.** Clear deep rose.
- **Salmon Supreme.** See 7 Best, above.
- **White Supreme.** See 7 Best, above.
- **Supreme Mixture.** All Supreme colors.

Prices above 6, each: tr. pkt., **35c**; ½ oz.,
\$1.00; 1 oz., **\$1.80**; 4 ozs., **\$6.00**;
1 lb., **\$18.00**.

SUPER MAJESTICS

Extra vigorous growth with long stems and long spikes of fully double flowers are the important points about this strain.

- **Deep Carmine.** Rose, flecked white.
- **Deep Salmon-Pink.** Medium deep rose.
- **Lavender.** See 7 Best, above.
- **Light Blue.** See 7 Best, above.
- **Rose-Pink.** Excellent, medium pink.
- **Rosy Mauve.** Rich lilac shade.
- **White.** Long stemmed pure white.
- **Mixture** of above and other colors.

Prices above 8, each: tr. pkt., **25c**;
½ oz., **65c**; 1 oz., **\$1.10**; 4 ozs., **\$3.60**;
1 lb., **\$11.00**.

HYACINTH-FLOWERED

Produces one long non-branching spike.

Dark Blue	Lavender	Pink
Purple	White	Mixed

Prices above 6, each: tr. pkt., **35c**;
½ oz., **90c**; 1 oz., **\$1.60**; 4 ozs., **\$5.20**;
1 lb., **\$16.00**.



LARKSPUR REGAL ROSE

Grow Profitable Pansies

(25,000 seeds per oz.)

"FOUR BEST"

Our annual greenhouse flowering trials in which all available strains are exhaustively tested and compared have indicated a preference for several strains. For your guidance in ordering, we list these strains below.

- **Ball Giant Mixture.** This is our finest and most popular bedding Pansy mixture. We blend this ourselves, using the best available strains of Swiss Giants, adding separate varieties to insure a good balance of colors. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.
- **Maple Leaf Giants.** An excellent, extra large flowered strain. Heavy growth with good stems. Tr. pkt., 60c; ⅛ oz., \$1.50; ¼ oz., \$2.75; 1 oz., \$9.00.
- **Roggli Giant Mixture.** A choice Swiss bedding strain, predominating in rich red and bronze shades. We supply originator's imported seed. Tr. pkt., \$1.00; ⅛ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$18.00.
- **Steele's Jumbo Mixture.** We handle the originator's seed of this popular American strain. Tr. pkt., \$1.00; ⅛ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$16.00.

America. An exceptionally free flowering mixture with medium sized blooms. Dwarf and extra early. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$9.00.

● **Ball Giant Mixture Dwarf Strain.** A fine Swiss Giant strain selected for dwarf and compact habit. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00; 4 ozs., \$30.00.

● **Ball Winter Flowering.** A tall growing winter cut-flower variety; best from late summer sowing. Not for bedding. ½ tr. pkt., 60c; tr. pkt., \$1.00; ⅛ oz., \$2.50; ¼ oz., \$4.75.

● **Butterfly Hybrids.** Ruffled 2½-3-in. flowers, including unusual apricot, terra cotta and rosy orchid shades, are freely produced on vigorous plants. Originator's seed only. Tr. pkt., \$1.00; ⅛ oz., \$2.00; ⅛ oz., \$3.50; ¼ oz., \$6.00; ½ oz., \$11.00; 1 oz., \$20.00.

● **Canadian Giants.** This selection from Maple Leaf Giants contains some of the largest flowers in Pansies. Tr. pkt., 90c; ⅛ oz., \$1.75; ¼ oz., \$3.00; 1 oz., \$10.00.

● **Engelmann's Giant Mixture.** A large flowered and brightly colored strain, many being penciled or veined. Fairly compact growth. We offer originator's seed only. Tr. pkt., 75c; ¼ oz., \$3.75; 1 oz., \$12.00.

● **Felix.** (See cut opposite page). Many colors, all with vividly contrasting black-veined throats. Tr. pkt., \$1.00; ⅛ oz., \$3.00; ¼ oz., \$5.00; 1 oz., \$15.00. Available August on.

Fluffy Ruffles. The medium sized flowers of this imported strain are attractively ruffled and frilled, and the color range is varied and appealing. Tr. pkt., 60c; ¼ oz., \$2.50; 1 oz., \$8.00.

SEE NEXT PAGE FOR MORE MIXTURES ➡➡➡



ROGGLI GIANT MIXTURE

"FINEST ALL
'ROUND STRAIN
IN TRIALS."
—from our 1950
Flowering Trial
Reports.

Repeated observation of this strain in our flowering trials has indicated its clear superiority. While not quite as early blooming as some domestic strains, Roggli Pansies have a depth and richness of color, huge flower size and dwarf, yet vigorous habit which make them stand apart from other Pansies. Note the large, deep blotches which are characteristic of this strain.

PANSY FELIX

This distinctive Pansy is really the "cat's whiskers"—hence the name "Felix", suggested by the prominent dark veining in every flower. Uniformly true to this type, with well ruffled flowers of good size carried on fairly dwarf plants. Colors are rich and unusual—including purple, apricot and wine shades together with pastel bronzes and smoky tones difficult to describe. Each flower is marked with the dark "whiskers" characteristic of this strain, and the over-all effect is indeed striking. We are exclusive distributors for this excellent Pansy. Tr. pkt., \$1.00; 1/8 oz., \$3.00; 1/4 oz., \$5.00; 1 oz., \$15.00. Available August on.



Profitable Pansies

"101" Giant Mixture (New). A choice bedding and basket Pansy of the "English" type. Large flowers in a wide color range on compact plants. Tr. pkt., 75c; 1/8 oz., \$2.00; 1/4 oz., \$3.50; 1 oz., \$12.00.

Geneva Giants. A choice American selected strain of Swiss Giants. Tr. pkt., 75c; 1/4 oz., \$2.75; 1 oz., \$9.00.

Improved Swiss Giants. Predominates in rich bronze and red shades. Tr. pkt., 60c; 1/4 oz., \$2.50; 1 oz., \$8.00.

SWISS GIANTS IN SEPARATE COLORS

Alpenglow. Rich garnet-red.

Berna. Dark velvety blue.

● **Coronation Gold.** The finest clear yellow.

Delft Blue. Porcelain-blue; a much wanted and unusual color in Pansies. Good sized flowers.

Firebeacon. Brick-red.

Giant Orange. Light orange; similar in color to Viola Apricot.

● **Lake of Thun.** Large flowered blue with dark-center.

Mt. Blanc. Best clear white in the large-flowered Swiss type.

Red Wing. (New.) Red and yellow petals, dark center. Originator's seed. Tr. pkt., \$1.75; 1/8 oz., \$3.00; 1/4 oz., \$5.00.

Tigress. (New.) While the flowers of this European novelty are rather small they are produced in great abundance, and the effect is most unusual. Reds, yellows, orchids and purples in novel striped and blotched arrangements of at least 3 colors create a striking appearance. The so-called "faces" of most Pansies are almost completely lacking. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

Rhinegold. Large flowered yellow with dark center.

● **Raspberry Rose.** Soft pink with contrasting velvety blotch in deeper tone. An entirely new color in Swiss Giant Pansies.

Prices above 10, each: tr. pkt., 75c; 1/8 oz., \$1.75; 1/4 oz., \$3.00; 1 oz., \$10.00.

Jet Black. (New.) 80% of the flowers are a true black throughout the spring, the purple undertone not becoming apparent until hot weather. Typical Swiss flower size. Tr. pkt., \$1.00; 1/8 oz., \$3.00; 1/4 oz., \$5.00; 1 oz., \$18.00.

NOTES ON PANSY CULTURE

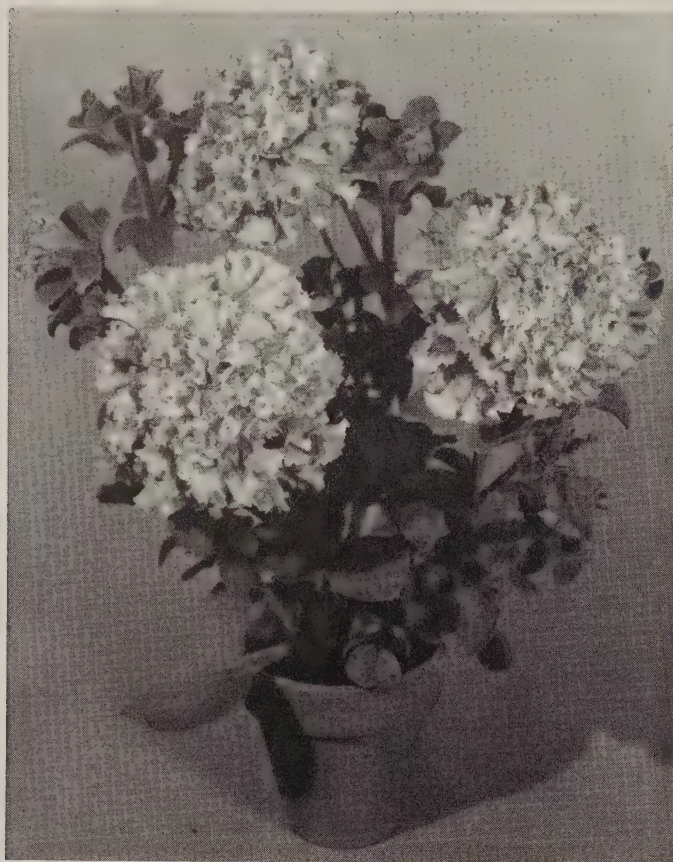
In the latitude of Chicago, Pansies are usually sown early in August. As far south as Oklahoma this should be delayed until around September 1, because of prolonged hot summers. Sowing is best done in an outdoor frame covered with cloth and in light soil containing plenty of decayed organic matter.

Close attention to moisture is essential. When large enough to handle, seedlings are transplanted 4x4 or 4x6 inches into frames or open beds. Some form of loose covering is desirable in the North after plants are frozen in—further south this protection is not so important unless we have another winter like last year.



VIBRA - SEEDER

So simple, yet so practical! Even the finest of seeds can be spaced with complete accuracy. After a little experience or practice, it is very possible to greatly reduce the quantity needed by eliminating loss thru "bunching." NO necessity of changing parts to adapt the seeder to a special type or size of seed—equally good on all sizes and shapes. We use this seeder extensively in our own seed sowing operations. **Price** each, \$1.95.



CANADIAN QUEEN

Our finest offering in Double Petunias—compact, dwarf, large-flowered, lovely, clear pink.

F₁ HYBRID PETUNIAS

Excellent for either pots or bedding.

- **Tango.** The semi-fringed flowers are a clear salmon-red, a shade lighter than Carmencita, but larger flowered.
- **Bolero.** An extra compact, early and free flowering, fringed deep rose.
- **La Paloma (New).** Pure white with yellow eye. Uniformly fringed and ruffled.
Prices above 3, each: ½ tr. pkt., \$1.00; tr. pkt., \$2.00; ¼₁₂₈ oz., \$3.80; ¼₆₄ oz., \$7.45.

Other Large Flowered Varieties

- **White Queen.** Extra large, wavy, pure white flowers. Fine for bedding or pots. Tr. pkt., 75c; ¼₆₄ oz., \$1.75; ¼₃₂ oz., \$3.00; ¼₁₆ oz., \$5.25.
- **Elk's Pride Dwarf.** Rich velvety purple. For bedding or porch boxes. Tr. pkt., 75c; ¼₆₄ oz., \$1.75; ¼₃₂ oz., \$3.00; ¼₁₆ oz., \$5.25.

CALIFORNIA GIANTS

- **Ball Dwarf Giant No. 1.** For pots. This is the finest uniformly dwarf and large-flowered Giant Petunia available. By actual count it produces over 90% extra large, open-throated flowers with a good color range. At its very best in a 3 or 4 inch pot. Not recommended for bedding. ½ tr. pkt., 85c; tr. pkt., \$1.50; ¼₆₄ oz., \$2.50; ¼₃₂ oz., \$4.50; ¼₁₆ oz., \$9.00.
- **Ball Dwarf Giant No. 2 (Ramona Strain).** For bedding. More vigorous in growth than our No. 1 strain, therefore better suited for outdoor bedding work. Not recommended for pot plants. ½ tr. pkt., 60c; tr. pkt., \$1.00; ¼₆₄ oz., \$1.75; ¼₃₂ oz., \$3.00; ¼₁₆ oz., \$5.50.

Double and Fancy Petunias

BALL ALL-DOUBLE MIXTURE

(Formula Mixture)

We've added sufficient quantities of separate color white, salmon and blue All-Double varieties to our already well known Canadian Mixture to insure a complete and well-balanced formula mixture of **all colors**. ½ tr. pkt., \$2.50; tr. pkt., \$4.00; ¼₁₂₈ oz., \$7.60; ¼₆₄ oz., \$14.45; ¼₃₂ oz., \$28.00.

CANADIAN ALL-DOUBLES

- **Canadian Mixture, Imp.** This mixture is basically improved by the addition of more fine rose, pink and salmon shades. ½ tr. pkt., \$2.00; tr. pkt., \$3.50; ¼₁₂₈ oz., \$6.65; ¼₆₄ oz., \$12.60; ¼₃₂ oz., \$24.00.
- **Canadian Queen.** Medium pink, fully fringed and ruffled. Our finest pink double. ½ tr. pkt., \$2.50; tr. pkt., \$4.00; ¼₁₂₈ oz., \$7.60; ¼₆₄ oz., \$14.45.
- **Colossal Shades of Rose, Imp.** The largest flowered All-Double Petunia. Shades of pink and salmon-rose. ½ tr. pkt., \$1.75; tr. pkt., \$3.00; ¼₁₂₈ oz., \$6.50; ¼₆₄ oz., \$11.75; ¼₃₂ oz., \$22.00.
- **America.** Medium sized bright rose flowers very freely produced on a medium tall plant. ½ tr. pkt., \$1.25; tr. pkt., \$2.00; ¼₁₂₈ oz., \$3.50; ¼₆₄ oz., \$6.50; ¼₃₂ oz., \$11.70.
- **Black Prince.** A bright purple, dwarf, medium flower size.
- **Northern Lights.** A light rose-pink, some plants showing a mottled or bicolored pink and white effect similar to Gaiety.
- **Rose of Canada.** Fully double, bright rose flowers about 3 inches across are freely produced on compact, bushy plants.
Prices above 3 each: ½ tr. pkt., \$2.00; tr. pkt., \$3.50; ¼₁₂₈ oz., \$6.65; ¼₆₄ oz., \$12.60; ¼₃₂ oz., \$24.00.
- **Burpee Orchid (New).** This is the most suitable of the orchid or lavender doubles for pot use. ½ tr. pkt., \$2.50; tr. pkt., \$4.00; ¼₁₂₈ oz., \$6.65; ¼₆₄ oz., \$14.45.

PAN-AMERICAN ALL-DOUBLES

- **Allegro.** Fully double flowers of clear, bright salmon.
- **Caprice.** Medium sized, rose-pink flowers on fairly dwarf plants.
- **Sonata.** Extra large, fully double, pure white flowers.
- **Minuet.** Medium sized lavender. Tall; should be pinched.
- **Nocturne.** Semi-double, deep Elk's Pride purple.
Prices above 5, each: ½ tr. pkt., \$2.50; tr. pkt., \$4.00; ¼₁₂₈ oz., \$7.60; ¼₆₄ oz., \$14.45.
- **Glorious Mixture.** ½ tr. pkt., \$2.00; tr. pkt., \$3.50; ¼₁₂₈ oz., \$6.65; ¼₆₄ oz., \$12.60; ¼₃₂ oz., \$24.00.

VICTORIOUS ALL-DOUBLES

- **Orange.** Bright orange with some lighter colored. ½ tr. pkt., \$2.25; tr. pkt., \$4.00; ¼₁₂₈ oz., \$8.50.
- **Pink Perfection (World Beauty).** Deep rose; uniformly dwarf.
- **Gaiety.** Dwarf and compact. Flowers blotched rose and white.
- **Snowball.** Well fringed, clear white flowers.
- **Blue Brocade.** Elk's Pride purple.
- **Victorious Mixture.** We blend this mixture ourselves from the above varieties.
Prices above 5, each: ½ tr. pkt., \$2.00; tr. pkt., \$3.50; ¼₁₂₈ oz., \$6.00; ¼₆₄ oz., \$11.00; ¼₃₂ oz., \$21.00.

SEE PAGE 24 FOR OTHER PETUNIA VARIETIES

Primulas

(Primroses)

PRIMULA OBCONICA

(4,000 seeds per $\frac{1}{32}$ oz.)

These colorful and showy plants still provide the grower with one of his best sources of mid-winter pot plant material. In spite of the irritating effect they produce on some people's skin, they continue to be widely grown and called for.

Sowings made during June and July will produce nice pot plants for late winter and spring. We carry them along in $2\frac{1}{2}$ inch bands from the seed flat, shifting when ready to their final size pot. Important points are a soil that drains readily and a cool, well shaded location during the summer. Fasbender's Red and Mohnstein's Atrosanguinea are the preferred reds; Berlin Rose is the best pink. Blue and white are wanted in smaller quantities.

- **Fasbender's Red.** Fine, extra large flowered, deep crimson-red.
- **Better Days.** Bright carmine-red.
- **Mohnstein's Red** (Atrosanguinea). Popular deep red.
- **Mueller's Berlin Rose** (Mueller's Rosea). Soft medium rose. Heavy, compact plants and large flowers.
- **Salmon-Rose** (Lachsrosa). Salmon-rose shades.
- **Sky-Blue** (Coerulea). Clear mid-blue. A choice strain.
- **White.** Rather tall growth.
- **Formula Mixture.** Carefully blended from above colors.

Prices above 8, each: tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25.

Wyaston Wonder. A special selection of this famous English variety. Vigorous growing, large flowered, bright crimson. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$3.00; $\frac{1}{32}$ oz., \$5.50.



WHITE GIANT-MALACOIDES



MUELLER'S BERLIN ROSE - OBCONICA

PRIMULA MALACOIDES

(12,000 seeds per $\frac{1}{32}$ oz.)

Sowing of this popular pot plant Primula may be made from May through September for blooming plants from January until April—a favorite for Valentine's Day combinations. Malacoides Primulas are of easy culture if they are grown in an airy, cool house (45° night temperature) and not allowed to get dry between waterings. Equally important is the avoidance of fertilized soil in the seed flat or early stages of growth.

- **No. 32 Glory of Riverside Imp.** One of the finest varieties with freely produced, beautiful salmon-rose flowers.
- **No. 41 White Giant.** This is by far the finest pure white variety available. Large flowers and heavy stems.
- **No. 43 Brilliancy Improved.** Large, beautifully fringed flowers of rich wine-red. This is our own origination and should not be confused with the old, small flowered Brilliancy.
- **No. 51 Mrs. Eriksson of Riverside.** Large flowers of deep rose-red on compact plants of medium height. The brightest color in Baby Primroses.
- **No. 62 Ball Lavender.** Flowers are large and of a beautiful orchid-lavender shade. Many are attractively fringed, adding much to their appearance.
- **No. 50 Mixture.** Carefully blended by formula from named separate color varieties.
- **No. 64 Red Velvet (New).** Newly opened flowers are a bright coral-rose changing to deep, velvety crimson-red as they mature. This is our own origination and is an entirely new color in Malacoides.

Prices above 7, each: tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00.

DOUBLE MALACOIDES

Fairy Jewels. Pink. Tr. pkt., (1000 seeds), \$1.50; $\frac{1}{128}$ oz., \$2.50.

PRIMULA CHINENSIS

(Chinese Primula)

A popular class with many retail growers. Very colorful and showy. Sow early June for 4's for Valentine's Day.

- **Kardinal.** Vivid, intense orange. Tr. pkts. only, \$1.50.
- **Special Mixture.** A choice assortment of colors. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$3.60.

Ball NON BRANCHING Stocks

(18,000 seeds per oz.)

The fact that Non-Branching Stocks are maintaining their almost universal popularity is reflected in the steady demand for seed that we experience each year. Recent improvements in strains, resulting from breeding work in our own greenhouses have done much to keep Stocks high on the list of profitable crops for both retail and wholesale growers. Two years ago we introduced new and much improved strains of Lilac-Lavender, Malmaison Pink, Ruby, Deep Apricot and Ball Blue without fanfare and at standard prices. At present we are devoting 3500 sq. ft. of bench space to the development of still better Stocks.

Also being offered for the first time this year are the new All-Double Select Stocks. Positive identification of the doubles can be made in the seedling stage since the doubles are considerably lighter in color than the singles. The stems are somewhat shorter

and harder than the Ball types, so their market acceptance is not yet certain—but certainly worth a try.

The greatest demand for Stocks, and the best prices, are usually for the Easter and Mother's Day markets. We figure on 5 to 5½ months from seed sowing to cutting for Easter, and 4½ to 5 months for Mother's Day, depending on whether raised or ground benches are used, temperatures and the prevailing amount of sunshine. We space them 3 inches in rows 6 inches apart crossways of the bench. Soil sterilization is important, as is good drainage and care in watering to aid in the control of the root rot which sometimes affects Stocks. Sub-irrigation, where practical, affords excellent control, as the surface of the soil where infection occurs can be kept relatively dry. Seed may be sown direct in the flowering bench and plants thinned later, or transplanted from seed flats, saving a month's use of bench space.

OUR "6 BEST"

- **No. 16 Ball White—Medium Tall.** Early, pure white.
- **No. 1 Lilac-Lavender Improved.** Popular silvery lilac.
- **No. 22 Ball Supreme.** Fine, heavy spikes of rich silvery rose.
- **No. 20 Ball Apricot.** Apricot, faintly tinged pink.
- **No. 21 Purple Heart.** Bright violet-purple.
- **No. 8 Ruby Improved.** Crimson-red.

WHITE

- **No. 16 Ball White—Medium Tall.** This early pure white is the most popular variety on our entire list. Well-liked for its extra large florets and well-formed, compact spikes.
- **No. 99 Ball White.** We find this pure white averages 4 to 6 inches longer spike and stem than our popular No. 16.

White Giant. Originator's seed. Good long stemmed white. Best white for outdoor culture in cool areas. We prefer our No. 16 Ball White for greenhouse use.

Gardenia, Imp. Originator's seed. Pure white. Branches somewhat. Basic improvements have been made on this fine outdoor strain.

No. 5 Ball Dwarf White. Spikes of this dwarf Non-Branching Stock resemble a white Hyacinth. An ideal pot plant variety.

LAVENDER, BLUE and PURPLE

- **No. 1 Lilac-Lavender Improved.** This is our new strain of this popular silvery lilac variety. Stems are heavier with longer flower spikes—and we find it quite resistant to rot.
- No. 3 Ball Blue Improved.** Heavier stems and better spikes than our earlier Ball Blue. Double percentage slightly low.
- **No. 21 Purple Heart.** Long stemmed and large flowered, bright violet-purple. Striking in combination with white, buff and yellow shades.

We Recommend . . .

. . . from our own spring trial observations, that you try the two new, excellent, all double varieties of **WALLFLOWERS** below. Sow from September to December and grow along with your Non-Branching Stocks on a raised bench, or in flats. Height 24 to 30 in. Very fragrant, and unusual colors.

Helios. Bright golden yellow.

Vulcan. Velvety, mahogany-red.

Prices above two, each: tr. pkt. (about 1000 seeds), \$1.00.

PINK, ROSE and RED

- **No. 22 Ball Supreme.** A long stemmed, vigorous growing variety with fine, heavy spikes of rich silvery rose. The most outstanding Stock in its color class.
- No. 11 Ball Pink.** A medium light rose-pink. Earlier and somewhat lighter than our No. 22, but not quite as long stemmed.
- **No. 14 Ball Rose.** An early flowering, fairly deep rose-pink. Darker in color and longer stemmed than the above variety.
- No. 9 Chamois Pink.** A warm rosy buff color. Good stems and flower spikes.
- No. 7 Malmaison Pink Improved.** Long spikes of soft, shell-pink; a popular color. Entirely non-branching.
- No. 6 American Beauty.** Rich deep American Beauty or carmine-rose. An appealing color.
- **No. 8 Ruby Improved.** Larger florets and a more brilliant scarlet-crimson color than the former Ruby.
- Pink Giant.** (New.) Originator's seed. Color identical to No. 14 Ball Rose, but later and somewhat taller.

MISCELLANEOUS VARIETIES

- **No. 20 Ball Apricot.** Long spikes of rich apricot faintly tinged pink. Blends well with lavenders and purples.
- **No. 24 Deep Apricot Improved.** A more coppery terra cotta shade than the earlier strain. A good novelty color.
- No. 17 Gold Standard.** Creamy ivory yellow; an attractive pastel.
- No. 10 Mixture.** Our own formula mixture. Contains mostly good market varieties with a limited amount of novelty colors.

BRANCHING STOCKS—SEE PAGE 20

Prices all Non-Branching Stocks, (except All-Double Select listed below), each: ½ tr. pkt., **60c**; tr. pkt., **\$1.00**; ¼ oz., **\$2.50**; ½ oz., **\$4.75**; 1 oz., **\$9.00**.

HANSEN'S ALL-DOUBLE SELECT

Light leaved doubles and dark leaved singles—apparent in the seedling stage—provide a positive means of separating singles from doubles in this strain.

Originated and grown by A. Hansen, Kastrup, Denmark, and introduced by us in January of this year. We're not certain of the market acceptance of this type of double, as the stem is somewhat shorter and harder than the Ball type Column.

Shell Pink Lilac Rose White
Prices above 3 varieties, each: tr. pkt., **\$2.00**.

NOTE!—SEE PAGE 20 FOR BRANCHING STOCKS—NOTE!

PICTURED HERE—

The 3 most popular of our 6 best varieties of Non-Branching Stocks.

No. 1 Lilac Lavender Improved

No. 16 Ball White—Medium Tall

No. 22 Ball Supreme

See opposite page for descriptions and prices.



Winter Sweet Peas

(350 seeds per oz.)



Every retail grower will find a planting of Winter Peas invaluable.

Winter Peas are still one of the retail grower's bread and butter crops—and when well grown they are in demand on most wholesale markets. The long stemmed, fragrant beauties that bring real prices call for sterilized soil and early sowing so that vines will become sufficiently hardened to hold buds for winter flowering. With us this is early July—later farther south.

OUR "12 BEST"

PINK, ROSE and SALMON

- **New Ball Rose.** Free flowering, bright rose. Shorter vines make this variety valuable where headroom is limited.
- **Ball Rose Queen.** Extra long stemmed and large flowered clear rose-pink. One of the finest commercial varieties.
- **Ball Rose Supreme.** Large wavy flowers of bright silvery rose-pink. Good stems and free flowering.
- **Ball Salmon.** Fairly deep salmon-pink; an excellent producer.

ORANGE and RED

- **Ball Orange Supreme.** Improves the original Ball Orange in better stem length and more brilliant color.
- **Treasure Island.** Large wavy flowers of glowing orange-scarlet.
- **Fiesta.** Brilliant scarlet-cerise, the finest red in early Peas.

LAVENDER, BLUE and PURPLE

- **Ball Blue Supreme.** The same rich blue color as Mrs. Hoover, but larger flowered and a better producer.
- **Twilight.** A bright clear lavender. Considered by many an improvement over Harmony.
- **Triumph.** Long stemmed, rich lilac-mauve; very well liked.
- **Rhapsody.** Extra large flowered, deep rosy lavender.

WHITE

- **Ball White.** The finest long stemmed pure white; white seeded.

MIXTURE

- **12 Best Mixture.** Our own formula mixture of the above twelve.

Prices above 13, each: ½ oz., 30c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.50.

See opposite page for other varieties.

Branching Stocks

Retail growers should include some of this class in their planting. All, with the exception of the Dwarf Ten Week, are handled the same. Plant 8x8 in. and top when about 8 in. tall for plenty of good flowers with medium length stems. The Dwarf Ten Week type is largely used for pot plants.

GIANTS OF CALIFORNIA

- Golden Gate.** Soft, creamy yellow.
 - Monterey.** A clear bright pink.
 - **Pacific.** Fairly dark lilac-mauve.
 - Redwood.** Ruby-red.
 - Santa Barbara.** Chamois or buff.
 - **Santa Maria.** Best branching white.
 - **Tahoe.** Clear lavender.
 - **Yosemite.** Rich rose-pink.
- Prices above 8, each: tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.50.
- Mixture of all colors in this class. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$4.00.

IMPROVED BISMARCKS

- Antique Copper.** Fine copper-red.
 - Apple Blossom.** Pale, delicate pink.
 - Blood-Red.** Bright ruby-red.
 - **Chamois.** Clear chamois or buff.
 - **Elk's Pride.** Rich purple.
 - Golden Ball.** Ivory-yellow.
 - **Lavender.** Clear lilac-lavender.
 - Lilac.** Fairly deep lilac-blue.
 - **Rose.** Fine bright rose-pink.
 - **Shasta.** Giant flowered white.
- Formula Mixture of above colors.
- Prices above 11, each: tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$3.50.

DWARF TEN WEEK

- | | | |
|----------------------|------------------------|-----------------|
| Blood-Red | Carmine-Pink | Lavender |
| Canary-Yellow | Deep Rose | Purple |
| White | Formula Mixture | |
- Prices above 8, each: tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.00.

BROMPTON or WINTER

- Early Harbinger.** Mixed colors. Tr. pkt., 50c; ¼ oz., \$2.00; 1 oz., \$6.00.

SEE PAGE 18 FOR NON-BRANCHING STOCKS

Winter Peas

(350 seeds per oz.)

STANDARD VARIETIES

PINK, ROSE and SALMON

- **American Beauty.** American Beauty rose.
- **Apollo.** Salmon-cerise; fine for spring.
- **Boon.** Deep salmon-rose.
- **Bridesmaid.** Delightful silvery pink. Long stemmed.
- **Daphne.** Soft salmon-pink on cream. Large flowered.
- **Hiawatha.** Strong growing, large flowered deep rose.
- **Josie.** Rose-pink; rather small flowered.
- **Laddie Imp.** Long stemmed, fairly light rose-pink.
- **Majestic Rose.** Large flowered pink.
- **Mother Machree.** Large coral-rose flowers; semi-duplexed.
- **Sequoia.** Large flowered standard salmon-rose.
- **Tops.** Extra large, wavy flowered, light salmon-rose.

ORANGE and RED

- **Redwood.** Large flowered, deep velvety crimson.
- **Signal Red.** Long stemmed, brilliant red.
- **Sparks.** The finest Poppy scarlet.

LAVENDER, BLUE and PURPLE

- **Avalon (New).** Large, even mid-blue flowers on long stems. A vigorous grower.
- **Bacchus.** Deep maroon-purple; large flowered.
- **Fragrance.** Clear lavender for spring flowering.
- **Harmony.** Standard early flowering lavender.
- **Michigan.** Clear lavender.
- **Mrs. Hoover.** Standard early mid-blue.
- **Princess Blue.** Large flowered, light blue; very attractive.
- **Top Hat.** Deep bright violet-blue.

WHITE and CREAM

- **Cascade.** Extra large, white seeded white.
- **Gardenia.** Long stemmed pure white for spring.
- **Hope.** Fine black seeded white.
- **Oriental.** Black seeded cream.
- **White Harmony.** Similar to Hope; black seeded.

MIXTURE

Ball Early Mixture. Carefully balanced mixture of winter varieties. ½ oz., **25c**; 1 oz., **45c**; 4 ozs., **\$1.35**; 1 lb., **\$5.00**.

Prices all above (except Mixture), each: ½ oz., **30c**; 1 oz., **50c**; 4 ozs., **\$1.50**; 1 lb., **\$5.50**.

Spring Peas

Cuthbertson Strain

(350 seeds per oz.)

This class, being intermediate in flowering date between the Winter and Summer types, is proving increasingly valuable for spring greenhouse flowering. Because of their stronger growth, they are generally longer stemmed and last longer into the spring than the weaker growing Winter varieties. For greenhouse use, sowing should be done between October and February. They are also much used for winter outdoor growing in the extreme South.

PINK, ROSE and SALMON

- **Billy.** Bright cerise-rose on salmon; very showy.
- **Carol.** Attractive clear pink on white ground.
- **Doris (New).** Deep cherry-rose. Extra strong growth with fine stems, many with 4 flowers. ½ oz., **50c**; 1 oz., **90c**; 4 ozs., **\$3.00**; 1 lb., **\$9.00**.
- **Evelyn.** Extra long stemmed, soft salmon-pink.
- **Lois.** Light rose-pink, similar in color to Ball Rose Queen in the Winter class.

RED

- **Coline.** Vivid, intense scarlet.
- **Jimmy (New.)** Rich, deep scarlet-red. In our trials this was the longest stemmed and most vigorous of all the Cuthbertsons. ½ oz., **30c**; 1 oz., **50c**; 4 ozs., **\$1.50**; 1 lb., **\$5.50**.

LAVENDER, BLUE and PURPLE

- **Danny.** Brilliant, deep marine blue.
- **Frank G.** Fine soft rosy lavender. One of the best.
- **Hazel.** Soft, light Princess Blue shade.
- **Jessie.** Closely resembles Winter Flowering Triumph in its rich lilac coloring.
- **Tommy.** A clear mid-blue about the color of Mrs. Hoover in the Winter class.

WHITE

- **Janet.** Large frilled white flowers are carried on long, heavy stems; black seeded.
- **Jennie.** White seeded white; fine long stems.

MIXTURE

- **Mixture.** A mixture balanced according to demand for each color.

Prices above Cuthbertson varieties (except Doris and Jimmy), each: ½ oz., **30c**; 1 oz., **50c**; 4 ozs., **\$1.50**; 1 lb., **\$5.50**.

Summer Peas

(350 seeds per oz.)

BALL "TEN BEST"

- **Ball Shrimp-Pink.** A pleasing soft shrimp-pink.
- **King Lavender.** Exceptionally fine clear, even lavender with long, strong stems. Excellent growth.
- **Maytime.** A bright golden cerise; large flowers and long stems.
- **Olympia.** A rich mauve; similar in color to the winter flowering variety, "Triumph."
- **Pinkie.** Finest large flowered rose-pink; a heavy producer.
- **Snow White.** The finest clear white; black seeded.
- **Stylist.** Large flowers of clear, deep salmon-rose-pink.
- **Sweet Afton.** Strong growing clear bright pink.
- **Welcome.** An intense sunproof scarlet with vigorous growth. Fine flowers, size and stem, and a heavy producer.
- **Windsor Blue.** A supremely fine mid-blue. Its clear, even color, stem length, and flower size set it apart.

Ball Best Mixture. Composed only of the best varieties in proportion to their commercial value.

Prices above 11, each: ½ oz., **20c**; 1 oz., **30c**; 4 ozs., **90c**; 1 lb., **\$2.90**; 5 lbs., **\$12.50**.

For Summer and Fall Sowing



ASTER NEW BALL SHELL-PINK

ASTERS — SPRING FLOWERING

(12,000 seeds per oz.)

Sept. and later sowings of early Asters will flower from Easter on, if 50 watt bulbs are spaced about 18 in. above the plants at 4 ft. intervals, and lighted to provide 5 hours additional day length. Lights must be used from the small seedling stage until flowering, spacing the plants about 10 x 10 in.

Growers are finding this crop an excellent one to follow Mums, especially where lights are already in place for late Mums. Many have reported very satisfactory returns on their early Aster crop handled this way.

We like the Royals best for this purpose although the slightly earlier Queens may be desirable in other localities. New Ball Shell-Pink and New Ball White are excellent when lighted.

● **New Ball Shell-Pink.** Large (3½ to 4 in.), fully double flowers of soft shell-pink carried on long stems. Quite wilt-resistant and rarely shows any center under our conditions. Excellent flowered under lights in early spring. Tr. pkt., \$1.00; ¼ oz., \$1.75; 1 oz., \$5.25; 4 ozs., \$17.50.

● **New Ball White.** Exceptional doubleness and fine, stiff stems are the outstanding points about this new, large flowered, pure white Aster. Quite wilt-resistant. ½ tr. pkt., \$1.00; ¼ oz., \$1.75. Limit, 1 oz. till new crop (about November 1).

ROYALS

Azure-Blue
Shell-Pink
White
Ball Deep Purple
Ball Deep Rose

QUEENS

Azure-Blue
White
Ballet Queen
Deep Rose
Flesh-Pink

Prices above 10, each: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 ozs., \$6.50.

ACHIMINES

(2,000,000 seeds per oz.)

Mixed Colors (New). Brilliantly colored, Gloxinia-like flowers in velvety tones of red, violet and white. Makes a nice spring and summer pot plant. Culture like Gloxinias. Tr. pkt., \$1.50.

IMPORTANT!

This catalog does not contain a complete list of annuals. Specialty items for summer and fall sowing are featured on these pages. For full list of annuals see our January catalog. Complete perennial list starts on page 26 of this catalog.

DIDISCUS

(10,000 seeds per oz.)

Coeruleus (Blue Lace Flower). A good item, delicate light blue for cutting for the retail grower. To flower all winter, sow in June or early July in 2½ inch pots, or sow direct if space is available. Don't transplant because Didiscus do not stand this well. Space 8 inches apart in one-foot rows. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

KALANCHOE

(900,000 seeds per oz.)

Semi-succulent and excellent for combinations, also popular in some locations for potted plants. Kalanchoe may be sown as late as July and combined without pinching to make a nice 6 inch winter flowering pan. They can be brought in for Christmas by shading from August 15 on in a 60° house. Tom Thumb is the most popular Kalanchoe, being dwarf and compact.

● **Tom Thumb.** Dwarf compact, bright scarlet flowers. Tr. pkt., \$1.25; ¼ oz., \$5.00; ½ oz., \$9.00.

● **Brilliant Star.** Hybrid. Produces flowers three times the size of the common varieties and of a brighter, fiery red color. Tr. pkt., \$1.50; ¼ oz., \$3.50; ½ oz., \$6.50.

BROWALLIA

(65,000 seeds per oz.)

Speciosa Major. Nice winter pot plants of this popular subject can be had easily from a sowing this summer. Produces attractive 1½ in. violet-blue flowers. Tr. pkt., \$1.00; ¼ oz., \$2.00; ½ oz., \$3.75; 1 oz., \$8.50.



BROWALLIA SPECIOSA MAJOR

MARIGOLDS FOR WINTER

Marigolds are easily flowered from January on if sowing is done around mid-August and later. Important points: shallow soil, not too much water, and night temperatures of not over 50° to 55°.

FOR CUTTING

(10,000 seeds per oz.) We find this class gives best results if grown single stem and spaced about 4x5 inches.

Glitters. (New.) Pictured at right. Large, Chrysanthemum-like golden yellow flowers. Tr. pkt., **35c**; $\frac{1}{16}$ oz., **75c**; $\frac{1}{4}$ oz., **\$2.50**; 1 oz., **\$7.50**.

- **Ball Giant Orange.** Similar to All-Double Orange, but some larger flower and deeper color. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **65c**; 1 oz., **\$2.00**.
- **All-Double Orange.** Fistulosa or African type. Produces nearly 100% double flowers.
- **All-Double Lemon.** Same as above except for color.
- **Gold Improved.** Carnation flowered orange; odorless foliage.
- **Yellow Supreme.** Similar to above but yellow; odorless.
- **Five Best Cutting Mixture.** Formula mixture dotted varieties.

Prices above 5, each: tr. pkt., **25c**; $\frac{1}{4}$ oz., **50c**; 1 oz., **\$1.60**; 4 ozs., **\$5.50**.

DWARF TYPES

9000 seeds per oz. Handled in small bands or pots, this group makes very effective material for winter combination boxes.

- **Spry.** Gold crest; dark red guard petals.
- **Ball Dwarf Harmony.** Bright orange and maroon.
- **Butterball.** Butter-yellow, tipped maroon.
- **Sunkist.** Solid, deep golden orange.
- **Yellow Pygmy.** Rich, bright lemon-yellow.
- **Scarlet Glow.** Bright, bronzy red.
- **6 Best Dwarf Mixture** of above varieties.

Prices above 7, each: tr. pkt., **25c**; $\frac{1}{4}$ oz., **50c**; 1 oz., **\$1.75**; 4 ozs., **\$5.50**.

Sunny. Similar to Naughty Marietta, but with single, clear yellow flowers. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.10**; 1 oz., **\$3.30**.



MARIGOLD GLITTERS

WINTER FLOWERING MARIGOLDS

This group includes short-day varieties, and, unlike the previous varieties, will not flower satisfactorily during late spring and summer.

Lieb's Brown and Gold. Golden yellow crest with mahogany guard petals.

Lieb's Winter Sunshine. Solid golden yellow.

Prices above 2, each: tr. pkt., **25c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$2.00**.

Winter Harmony. Bright orange crest with reddish guard petals. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **40c**; 1 oz., **\$1.20**.

MIGNONETTE

(27,000 seeds per oz.)

For winter blooming. Sow August 1 and provide a cool location for germination. Needs plenty of feed and generous spacing, perhaps 10x12 inches.

- **Ball Strain.** Earliest and whitest variety. $\frac{1}{2}$ tr. pkt., **60c**; tr. pkt., **\$1.00**; $\frac{1}{4}$ oz., **\$1.75**.

LUPINE

(1300 seeds per oz.)

For winter and spring blooming. Sow three or four seeds in a 3 inch pot in late summer (we leave them in a cold frame until a Mum bench is clear). Ground beds are best, but moisture must be watched carefully because of their tendency to rot. We start them out on 40° nights and increase to 45° and 50° as they develop flowering spikes. Cut the first spike down hard, leaving 4-6 strong breaks that will develop into nice cut material.

GIANT KING (Improved Hartwegi). 1300 S. Some longer stemmed and earlier flowering than the regular Hartwegi.

- **Oxford Blue.** Standard rich deep blue.

Sky Blue

Heliotrope. A pleasing rosy purple shade.

White

Mixture of above colors.

Prices above 5, each: tr. pkt., **20c**; 1 oz., **80c**; 4 ozs., **\$2.65**.

Pixie Delight. (New.) 8 in. Early and free flowering with a complete range of Lupine colors. Uniformly dwarf, and a valuable border plant for localities where Lupines do well outside. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$1.80**.

NEMESIA

(90,000 seeds per oz.)

For cutting from February 1 on, Nemesia should be sown in mid-August and planted out 8x8 inches on a raised bed in a 48° house.

GRANDIFLORA. 90,000 S. Large flowered and long-stemmed. 14 to 16 in. Fine for spring cutting and combination work.

Mixture of all colors in this tall class. Tr. pkt., **25c**; $\frac{1}{8}$ oz., **60c**; $\frac{1}{2}$ oz., **\$2.00**.



NEMESIA
GRANDIFLORA

For Summer and Fall Sowing



PETUNIA CELESTIAL ROSE IMP.

MYOSOTIS

Forget-Me-Not

(44,000 seeds per oz.)

Ball Early. Nothing easier to grow than this always popular blue flower, for which you'll find plenty of uses during the winter and spring months. Sow from June to August and grow in a 50° house, spacing about 10x10 inches. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

SCHIZANTHUS

(60,000 seeds per oz.)

Sow from September to November for attractive spring pot plants or cut flowers. Easily grown in a 50° house.

Ball Giant Flowered. Extra large flowers (often 2 inches in diameter) and unusually brilliant colors are the outstanding points about this strain. Nice for cutting or makes a choice pot plant if pinched. Tr. pkt., 75c; ⅛ oz., \$2.00; ¼ oz., \$3.60.

Ball Dwarf Mixture. A distinctly dwarf growing strain with large compact heads of medium sized flowers. Makes an excellent pot plant. Tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.50.

Dr. Badger's Improved Hybrids. A brightly colored, large-flowered strain of medium height. Tr. pkt., 35c; ¼ oz., \$1.15.

Pansy-Flowered Mixture. Flat and full petaled, Pansy-like flowers. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.80.

SAINTPAULIA

Ionantha (African Violet). Deep blue. Extra fine seed that requires care in germinating. Uniform moisture, a 60° temperature and protection from bright sun are necessary in growing good Saintpaulias. Tr. pkt., \$1.50.

Hybrida Mixed (New). An F₁ Hybrid "Prize Strain", giving new colors in blue, orchid, pink and white besides exceptional flower size. 300 seeds, \$2.00.

STREPTOCARPUS

(750,000 seeds per oz.)

Giant Flowered Mixture (Cape Primrose). Makes an exotic pot plant as well as a fine long stemmed cut flower, lasting 8 to 10 days in water. Our strain is produced by a European specialist and contains an abundance of rich colors. Sow in early fall for spring blooming. Tr. pkt., \$1.00; ¼ oz., \$2.75.

PETUNIAS FOR EARLY SOWING

(200,000 seeds per oz.)

DWARF HYBRIDAS

"10 Best"

- **Admiral.** Clear blue. Tr. pkt., 75c; ¼ oz., \$1.50; ½ oz., \$2.75; ⅛ oz., \$5.00; 1 oz., \$9.00.
- **Bright Eyes.** Rose-pink; white throat. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.
- **Celestial Rose Imp.** Tr. pkt., 50c; ⅛ oz., \$1.00; ¼ oz., \$1.75; 1 oz., \$6.00.
- **Cheerful.** Star-shaped, clear salmon. Tr. pkt., 75c; ¼ oz., \$1.50; ⅛ oz., \$2.25; 1 oz., \$4.00.
- **Fire Chief.** Scarlet-red. Tr. pkt., 50c; ½ oz., \$1.25; ¼ oz., \$2.25; ⅛ oz., \$3.50.
- **Glow.** Rose-red. Tr. pkt., 35c; ¼ oz., \$1.25; ⅛ oz., \$2.00; 1 oz., \$3.75; 1 oz., \$13.50.
- **Heavenly Blue.** Silvery blue. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.50; 1 oz., \$5.00.
- **Snow Queen.** Pure white. Tr. pkt., 40c; ¼ oz., \$1.50; 1 oz., \$5.00.
- **Topaz Queen.** Carmine-rose. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75; 1 oz., \$6.00.
- **Velvet Ball.** Dark red. Tr. pkt., 75c; ½ oz., \$1.35; ¼ oz., \$2.50; ⅛ oz., \$4.75; 1 oz., \$9.00.
- **Ten Best Formula Mixture.** Tr. pkt., 35c; ¼ oz., 90c; ⅛ oz., \$1.65; ¼ oz., \$3.00; 1 oz., \$10.00.

Other Worth-While Varieties

- **Elk's Star.** Deep crimson. Tr. pkt., 75c.
- **Fair Lady.** Silvery pink. Tr. pkt., 50c; ¼ oz., \$1.40; ⅛ oz., \$2.50; 1 oz., \$4.25; 1 oz., \$16.00.
- **Snowball Imp.** (New). Pure white. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.50; 1 oz., \$5.00.
- **Rose Charm.** Hybrid. Rich, bright rose. ½ tr. pkt., \$1.00; tr. pkt., \$1.75; ¼ oz., \$3.50; ⅛ oz., \$6.50; 1 oz., \$11.70.
- **Silver Medal.** Hybrid. Salmon-rose. ½ tr. pkt., \$1.00; tr. pkt., \$1.75; ¼ oz., \$3.50; ⅛ oz., \$6.50; 1 oz., \$11.70.

SEE PAGE 16 FOR DOUBLE AND FANCY PETUNIAS.



STREPTOCARPUS



Florist Formula Lawn Grass Mixtures

We believe florists are the most critical seed buyers in the world. Whether you sell or grow, we know you want the very finest Lawn Grass Seed. That's why we are offering these special mixtures

blended by ourselves for the florist trade only. We use only heavy weight seed of grasses that produce a deep rooted, permanent turf of lasting beauty. Figure 1 lb. of seed to sow 200 sq. ft.

SUNNY LOCATIONS

Our general purpose lawn mixture of exceptionally high quality. This is our recommendation for all locations where special consideration is not necessary.

Pre-packaged in individual resale containers.—**POSTPAID.** 3 lbs., \$3.30; 5 lbs., \$5.25; 10 lbs., \$10.25; 25 lbs., \$25.00. State type, **sunny** or **shady**.

Bulk Prices—F.O.B. WEST CHICAGO. In quantities of 30 to 300 lbs., 79¢ per lb. Over 300 lbs., write us. State type, **sunny** or **shady**.

SHADY LOCATIONS

For those shady locations we have a special mixture blended to withstand and thrive in even the deepest of shade! For partial shade, use the mixture at left.

SPECIAL DEALER OFFER (f.o.b. West Chicago)

12	1 lb. pkgs.	}	55 lbs.
6	3 lb. pkgs.		Your cost
5	5 lb. pkgs.		\$44.50

(Suggested Retail—\$66.50)



VILLAGE GREEN

An economy mixture that fills the need for a good quality, inexpensively priced lawn grass seed.

Pre-packaged in individual resale containers.—**POSTPAID.** 3 lbs., \$2.25; 5 lbs., \$3.50; 10 lbs., \$6.75; 25 lbs., \$16.50.

Bulk Prices—F.O.B. WEST CHICAGO. 30 to 300 lbs., 44¢ per lb. Over 300 lbs. write us.

SPECIAL DEALER OFFER (f.o.b. West Chicago)

12	1 lb. pkgs.	}	55 lbs.
6	3 lb. pkgs.		Your cost
5	5 lb. pkgs.		\$29.75

(Suggested Retail—\$45.00)

ALL ABOVE PRICES NET

Ball Better Plant Bands and PlanTrays

An easier and better way of growing plants

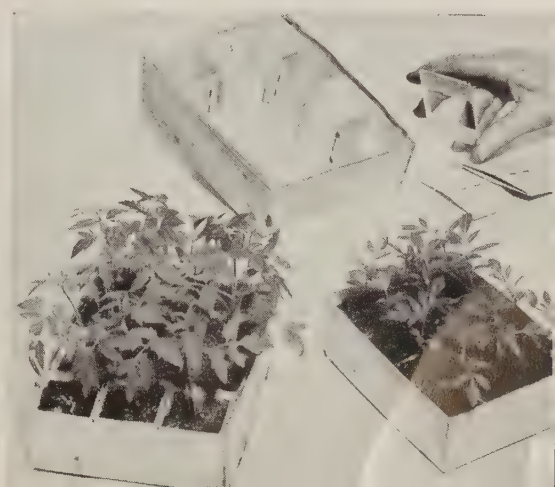
If You are not familiar with our new type Veneer PlanTrays, better write us at once for new descriptive bulletin on Plant Bands and PlanTrays and their uses. **If you want to see sample, state size you are interested in.** We also handle Bird Vita-Bands 10, Red and Vita-Pots, and Tom Thumb Flats at standard prices.

Be sure to write for bulletin and price list. If samples are wanted, state size.

Ball PlanTrays—No. 2-S
Hold 25—2x2 Bands.

Note below those sturdy Snaps, Begonias and Petunia Plants—ready to make more money for you and please your customers. No. 1-S holds 25-1 3/4x2 bands.

Below: upper left is No. 2-R PlanTray being filled with 2x2x2 1/2 inch bands; lower left same with nice Tomato plants growing; lower right No. 1-R, holds 1 dozen 1 3/4x2 1/2 inch bands.



Popular Hardy Perennials

A sowing of hardy perennials made this summer will flower freely next year with a minimum of care. See our January catalog for a more complete description of the following:

ACHILLEA—● *Filipendula*, **Parker's Variety** (Cloth of Gold). Golden yellow. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.20.

● **The Pearl** (Ptar mica). The standard double white for cutting. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.20.

ACONITUM (Monk's Hood)—*Napellus*. Dark blue; does best in partial shade. Tr. pkt., 25c; 1/4 oz., 75c.

ALSTROEMERIA—*Chilensis*. Very showy flowers in shades of pink, rose and red. Medium tall. Germination erratic. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

ALYSSUM—● *Saxatile Compactum* (Gold Dust). Rich golden yellow. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00.

Saxatile Silver Queen (Sulphureum). Light lemon-yellow. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

ANCHUSA—*Dropmore Strain* (Italica). Nice blue for cutting. Tr. pkt., 15c; 1 oz., 60c.

Myosotidiflora. May flowering Forget-me-not blue. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$8.00.

ANEMONE—*St. Brigid Mixed*. See photo below. Choice long stemmed mixture of brilliant colors. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

ANTHEMIS—*Kelwayi* (Hardy Marguerite). Yellow Daisy flowers produced throughout summer. Tr. pkt., 15c; 1 oz., 65c.

AQUILEGIA (Columbine)—*Alpina*. Blue. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Coerulea (Rocky Mountain Columbine). See photo at right. Sky-blue with white corolla. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Copper Queen. Copper-red shades with yellow corolla. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

● *Crimson Star Hybrids*. Dark red with white corolla; varies some. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

Longissima. See photo at right. Delicate, pale yellow with extra long (4 in.) spurs. Tr. pkt., 50c; 1/16 oz., \$2.50; 1/8 oz., \$4.50.

● *Longissima Hybrids*. A variety of attractive shades in this extra long spurred class. Tr. pkt., 50c; 1/16 oz., \$2.00.

Mrs. Nicholls. Deep blue. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$8.00.

● *Mrs. Scott Elliott's Hybrids*. An excellent and popular long-spurred mixture. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Rose Queen. See photo at right. Rose with white corolla. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Snow Queen. Extra large pure white flowers. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Long Spurred Mixture. Best mixture in our trial ground. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

ARABIS (Rock Cress)—● *Alpina Snowcap*. Shining snow-white. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.

Alpina. White. Tr. pkt., 25c; 1/4 oz., 55c; 1 oz., \$1.80.

Spring Charm (Blepharophylla). Carmine. Tr. pkt., 50c; 1/8 oz., \$1.00.

ARMERIA Thrift—*Alpina*. Dwarf, bright rose. Tr. pkt., 75c; 1/16 oz., \$2.40.

Formosa, *Large Flowered Hybrids*. Tr. pkt., 35c; 1/8 oz., 70c; 1/4 oz., \$1.30; 1 oz., \$3.90.

● *Glory of Holland*. Ball-shaped deep pink flowers about 1 1/2 inches in diameter. Tr. pkt., 50c; 1/8 oz., \$2.00.

Maritima (Statice Armeria). Lilac-rose. Grass-like, evergreen foliage. Tr. pkt., 50c; 1/8 oz., \$1.50.

ARTEMISIA—*Lactiflora* (Silver Plume). Silvery foliage; creamy blooms. For cutting. Tr. pkt., 35c; 1/16 oz., 70c; 1/4 oz., \$2.00.

ASCLEPIAS—*Tuberosa*. Fine orange for cutting. Tr. pkt., 25c; 1/4 oz., 85c; 1 oz., \$2.75.

ASPARAGUS—*Lace Veil* (Pseudoscaber). Produces quantities of material as valuable as *Asparagus Plumosus*. Hardy. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

Willow Spray (Verticillatus). Completely hardy, summer green material. Finely cut foliage. Requires 3 years for best results. Tr. pkt., 50c; 1/2 oz., \$1.25; 1 oz., \$2.25.



ANEMONE ST. BRIGID MIXED



AQUILEGIA
Starting at top: Rose Queen,
Longissima, and Coerulea

MISCELLANEOUS PERENNIALS—Continued

ASTER—Hardy Large Flowered Mixture. See photo below. Attractive assortment. Tr. pkt., 50c; ½ oz., \$1.10; ¼ oz., \$2.00.

Alpinus, Finest Mixed. Tr. pkt., 50c; ½ oz., \$1.00.

AUBRIETIA—Large Flowered Hybrids (Monarch strain). Wide and bright color mixture. Tr. pkt., 50c; ½ oz., \$1.00.

Hendersoni. Deep purple. Tr. pkt., 50c; ½ oz., \$1.00.

Leichtlini. Carmine-rose. Tr. pkt., 50c; ½ oz., \$1.00.

BAPTISIA—**Australis** (False Indigo). Sprays of pea-shaped indigo-blue flowers. Tr. pkt., 25c; 1 oz., 75c.

BELLIS—PERENNIS. Popular Double English Daisy.

Red Rose White

Above 3, each: tr. pkt., 50c; ½ oz., \$2.00; ¼ oz., \$3.50.

Mixture. Tr. pkt., 50c; ½ oz., \$1.80; ¼ oz., \$3.20.

BOCCONIA—**Japonica** (Plume Poppy). Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

BOLTONIA—**Latisquama**. Delicate pink. Tr. pkt., 25c; ¼ oz., \$1.00; 1 oz., \$3.00.

BROOM—Hybrids Mixed. Vigorous shrubs; bright color range. Tr. pkt., 40c; ½ oz., \$1.25; ¼ oz., \$2.25.

CAMPANULA—CARPATICA. Dwarf perennial.

Blue. Tr. pkt., 25c; ½ oz., 75c; ¼ oz., \$1.35.

● Hybrid Mixture (Cullinmore). Tr. pkt., 50c; ½ oz., \$1.50; ¼ oz., \$2.70.

MEDIUM CALYCANTHEMA (Cup-and-saucer type).

Dark Blue Light Blue Rose White Mixture

Above 5, each: tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.60.

MEDIUM SINGLE (Canterbury Bells).

Dark Blue Light Blue Pink White Mixture

Above 5, each: tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

MEDIUM DOUBLE (Canterbury Bells).

Formula Mixed. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

PERSICIFOLIA. White Blue (Princess Royal) Mixture

Above 3, each: tr. pkt., 35c; ½ oz., \$1.00; ¼ oz., \$1.75.

Telham Beauty. Tr. pkt., 35c; ½ oz., \$1.00; ¼ oz., \$1.75.

PYRAMIDALIS (Chimney Campanula).

Mixture. Tr. pkt., 35c; ½ oz., \$1.00; ¼ oz., \$1.75.



CARNATION GRENADIN MIXTURE



ASTER - HARDY LARGE FLOWERED MIXTURE

CARNATION—GRENADIN (Hardy Carnation).

King of the Blacks. Darkest red.

Golden Sun ● Pink ● Red White ● Mixture

Above 6, each: tr. pkt., 50c; ¼ oz., \$2.00; 1 oz., \$6.00.

CATANANCHE—**Coerulea**. Everlasting light lavender-blue flowers. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

CENTAUREA—**Montana**. Large Cornflower-blue flowers. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.20.

CERASTIUM—● **Tomentosum** (Snow-in-Summer). White edging and rockery plant. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

CHEIRANTHUS (Wallflower)—● **Golden Bedder**. Large deep golden yellow. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Allioni. Free flowering orange. Tr. pkt., 10c; 1 oz., 35c.

CHRYSANTHEMUM—● **Glory Mixture**. Our finest mixture of hardy Mums. Tr. pkt., 75c; ½ oz., \$2.20; ¼ oz., \$4.00.

Korean Hybrids. Single and semi-double types in a good color range. Tr. pkt., \$1.00; ½ oz., \$2.00; ¼ oz., \$3.50.

CLEMATIS—**Paniculata**. White flowered climber.

Recta, **Mandschurica**. Upright growing, pure white.

Above 2, each: tr. pkt., 70c; ½ oz., \$1.40; ¼ oz., \$2.50.

COREOPSIS—● **Sunburst** (New Gold). A fine semi-double strain. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Mayfield Giant. Extra large deep golden yellow. Single. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

DAISY (Chrysanthemum Maximum)—● **G. Marconi**. The largest flowered and finest double Shasta Daisy. Originator's seed: tr. pkt., 50c; 6 tr. pkts., \$2.50; Regular stock: tr. pkt., 50c; ½ oz., \$1.50; ¼ oz., \$2.75.

Double Fringed. (Diener's). A specially reselected strain. Tr. pkt., 50c; ¼ oz., \$1.25; ¼ oz., \$4.00.

June Marguerite. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

● **Mayfield Giant**. Quite large flowered, end of June.

Alaska. The standard Shasta Daisy, July.

Conqueror. Giant late white, late July.

Above 3, each: tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

MISCELLANEOUS PERENNIALS—Continued



FEVERFEW BALL DOUBLE WHITE IMPROVED

DELPHINIUM—See page 10.

DIANTHUS—**Allwoodi Alpinus Mixed**. Single flowers in shades of pink. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50.

Deltoides Erecta. A dwarf Maiden Pink. Bright red. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50.

● **Latifolius Atrococcineus**. Miniature crimson flowers. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50; 1 oz., \$4.50.

Loveliness. Large, fringed and curled, light lavender flowers. Quite fragrant. Tr. pkt., 50c; 1/8 oz., \$1.25.

Winteri. Large single flowers in a rich mixture of pure colors. Long blooming period. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/2 oz., \$4.80.

PLUMARIUS (Clove Pink). **Cyclops**. Deep rose with crimson ring. Tr. pkt., 35c; 1/4 oz., \$1.00.

Double Mixture (Scoticus Florist Strain). Unusual colors. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.50; 1 oz., \$4.50.

Single Mixture. Tr. pkt., 15c; 1/4 oz., 40c; 1 oz., \$1.35.

BARBATUS (Sweet William). Early June flowering.

● **Holborn Glory**. Striking combination of crimson with white.

● **Newport Pink**. (Pink Beauty). Salmon-rose shade.

Purple Beauty. A rich deep color.

Scarlet Beauty. Well named, intense scarlet-red.

Giant White. Ours is an extra large flowered strain.

Single Mixture Above 7, each: tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.40.

● **Single Midget Mixed**. Very fine rock plant. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

● **Double Midget Mixed**. Tr. pkt., 35c; 1/4 oz., 85c; 1 oz., \$3.00.

DICENTRA—**Spectabilis** (Bleeding Heart). Tr. pkt., \$1.00; 1/16 oz., \$1.75; 1/8 oz., \$3.25.

Eximia (Plumy Bleeding Heart). Tr. pkt., 35c; 1/4 oz., \$1.00.

DICTAMNUS—**Fraxinella** (Gas Plant). Pink with dark veins. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

DIGITALIS—**GLOXINOIDES** (Foxglove).

Purple **White** **Giant Shirley Mixture**
Above 3, each: tr. pkt., 20c; 1/4 oz., 60c; 1 oz., \$2.00.

DORONICUM—**Caucasicum Magnificent**. 18,000 S. 2 ft. Large yellow Gerbera-like flowers with long stems. Keeps well when cut. Tr. pkt., \$1.00.

ECHINOPS—**Ritro** (Globe Thistle). Blue flower heads 1 1/2 to 2 inches in diameter. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

EUPHORBIA—**Corollata** (Wild Baby's Breath). Small white flowers. Tr. pkt., 35c; 1/8 oz., \$1.25; 1/4 oz., \$2.00.

Myrsinites. Silvery foliage. Tr. pkt., 35c; 1/8 oz., \$1.00.

Polychroma. Bushy plants with bracts of bright yellow changing to rosy bronze. Tr. pkt., 50c; 1/16 oz., \$1.35. Not available before December.

FEVERFEW—(Matricaria)—● **Ball Double White Improved**. See photo at left. 90% double imbricated blooms. Tr. pkt., 50c; 1/32 oz., \$1.00; 1/8 oz., \$3.60.

ALL-DOUBLE DWARF. For pots or borders.

Golden Nuggets. Tr. pkt., 35c; 1/16 oz., 50c; 1/4 oz., \$1.80.

Snow Puffs. Tr. pkt., 35c; 1/16 oz., 50c; 1/4 oz., \$1.80.

GAILLARDIA—**GRANDIFLORA**. ● **Dazzler**. The standard fine cutting strain. Golden yellow with maroon center.

● **Monarch Strain**. A very superior mixture.

Above 2, each: tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

● **Burgundy**. Red. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.25.

Portola Hybrids Mixed. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

Goblin. Compact plants; red and yellow bicolored flowers. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

Aurea Pura. Pure yellow. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.80.

GEUM—**Lady Stratheden**. Yellow. **Mrs. Bradshaw**. Red. Above 2, each: tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

GILIA—**Coronopifolia** (Standing Cypress). Heads of scarlet flowers. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

GYPSOPHILA—● **Pacifica**. Starry pink flowers in Sept. and Oct. Tr. pkt., 25c; 1/4 oz., 80c; 1 oz., \$2.75.

● **Oldhamiana**. Feathery light pink. Oct. flowering; watch frost dates. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

PANICULATA. ● **Double Snow Flake**. About 50% are double flowering. Tr. pkt., 35c; 1/4 oz., \$1.35; 1 oz., \$4.50.

Single White. Tr. pkt., 15c; 1 oz., 40c; 4 ozs., \$1.35.

REPENS. Rose. Tr. pkt., 25c; 1/4 oz., 80c; 1 oz., \$2.40.

HELIANTHEMUM—**Mutabile** (Sun Rose). Attractive dwarf rock plant. Tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.35.

HELLEBORUS—**Niger** (Christmas Rose). Attractive 2 1/2 in. white flowers; basal foliage. Seed should be frozen before sowing. Tr. pkt., 35c; 1/8 oz., 75c; 1/4 oz., \$1.35.

HESPERIS—**MATRONALIS** (Sweet Rocket). Sweet scented. **Violet** **White**
Above 2, each: tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c.

HEUCHERA—**SANGUINEA** (Coral Bells).

Splendens. Crimson. **Hybrida Mixed**.

Above 2, each: tr. pkt., 50c; 1/16 oz., \$1.75; 1/8 oz., \$3.00.

HIBISCUS—**Mallow Marvels Mixed**. Ours is an extra large flowered strain. Tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.20.

HOLLYHOCK—**Imperator Improved**. Choice double crested mixture. Tr. pkt., 30c; 1/4 oz., 55c; 1 oz., \$1.80.

Allegheny Mixed. Single and semi-double types. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

Triumph. Double fringed flowers in delicate art shades. Tr. pkt., 30c; 1/4 oz., 50c; 1 oz., \$1.50.

CHATER'S DOUBLE. The standard double Hollyhock.

Chamois **Deep Rose** **Lilac Beauty** **Newport Pink**
Scarlet **Sulphur Yellow** **White** **Mixture**
Black (New). Deep maroon.

Above 9, each: tr. pkt., 30c; 1/4 oz., 50c; 1 oz., \$1.50.

IBERIS (Hardy Candytuft)—**Gibraltarica**. Large flowered lilac. Tr. pkt., 20c; 1/4 oz., 45c; 1 oz., \$1.40.

Sempervirens. White flowers in late May. Tr. pkt., 50c; 1/4 oz., \$1.25; 1 oz., \$4.50.

Jucunda. Pink flowers. Tr. pkt., 50c.

INCARVILLEA—**Grandiflora Brevipes**. Brilliant dark rose flowers. Tr. pkt., 50c; 1/4 oz., \$1.20.

IRIS—**Dichotoma** (Vesper Iris). Mixed colors; fragrant. Tr. pkt., 30c; 1/4 oz., 65c; 1 oz., \$2.00.

Kaempferi. A wide variety of colors with many being double. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.25.

MISCELLANEOUS PERENNIALS—Continued



LILY WHITE QUEEN

LATHYRUS—LATIFOLUS (Hardy or Everlasting Sweet Pea).
Pink Beauty White Pearl Red Mixture
Above 4, each: tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

LAVANDULA—Munstead Strain. Freely produces large sweet scented flowers. Tr. pkt., 35c; ¼ oz., \$1.00.

LEONTOPODIUM—Alpinum (Edelweiss). Small, greenish white leaves. Tr. pkt., 50c; ¼ oz., \$1.00; ½ oz., \$1.80.

LIATRIS (Gay Feather)—● **Pycnostachya**. Long spiked purple. **Scariosa**, Purple. Extra large individual flower heads. **Spicata**. Purple. Not as long stemmed as *Pycnostachya*. Above 3, each: tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$2.70.

● **September Glory**. Tall growing with purple spikes. **Kobold**. Hybrid, non-branching lilac-purple.

Above 2, each: tr. pkt., 50c; ¼ oz., \$1.80; 1 oz., \$5.40.

LILIES—White Queen (Canadian hardy strain). See photo above. Finest white seed propagated Lily. ½ tr. pkt., 60c; tr. pkt., \$1.00; ⅓ oz., \$2.50; ¼ oz., \$4.50. Limited to tr. pkts. until December.

Candidum (Madonna Lily). Tall pure white. Tr. pkt., \$1.00; ⅓ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

Formosanum, Giant Flowered. White. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.50; 4 ozs., \$12.00.

Henryi. Orange. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

Regale (Regal Lily). Pink with primrose center. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50; 4 ozs., \$5.00.

Rothschildiana. Crimson with yellow bands. Popular corsage flower. Tr. pkt., \$1.00; ⅓ oz., \$2.50; ¼ oz., \$4.50.

Tenuifolium (Coral Lily). Medium sized flowers of brilliant coral-red. Tr. pkt., 35c; ¼ oz., 75c.

Tenuifolium, Golden Gleam (New). Rich honey-amber; free flowering. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

LINUM—Perenne (Per. Flax) Blue. Tr. pkt. 15c; 1 oz., 50c.

Flavum. Yellow. Tr. pkt., 25c; ¼ oz., 75c.

Collinum. Dwarf growing, light blue. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.25.

LOBELIA—Cardinalis (Cardinal Flower). Bright red. Tr. pkt., 35c; ¼ oz., \$1.20; 1 oz., \$3.60.

LUNARIA—BIENNIS (Honesty or Money Plant).

White Mixture

Above 2, each: tr. pkt., 25c; ¼ oz., 35c; 1 oz., \$1.25.

LUPINE—POLYPHYLLUS (Hardy Lupine). ● **Russel Strain**. Unusually long flower spikes and attractive colors. Reselected stock (Originator's packets): 20 seeds, 30c; 65 seeds, 65c; 150 seeds, \$1.25; 350 seeds, \$2.50.

Regular seed: tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.00; 4 ozs., \$6.00.

MISCELLANEOUS POLYPHYLLUS VARIETIES.

Dark Blue. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.15.

Rose. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$1.80.

White. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

● **Harkness Regal Mixture**. The standard fine hybrid mixture. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

LYCHNIS—Chalcedonica (Maltese Cross). Scarlet. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

MATRICARIA. See Feverfew, page 28.

MYOSOTIS (Forget-me-not)—● **Blue Bird** (Oblongata). Standard blue for spring greenhouse flowering. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

Palustris Semperflorens. Flowers from early spring until autumn. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

VICTORIA. A dwarf compact strain. 6 to 8 in.

Dark Blue **Rose** **White** **Dwarf Mixed**
Above 4, each: tr. pkt., 35c; ⅓ oz., 85c; ¼ oz., \$1.50.

ALPESTRIS. **Blue Eyes**. Early flowering bright blue with white eyes. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

● **Royal Blue** (Indigo Blue). Deep rich blue. Tr. pkt., 30c; ¼ oz., 85c; 1 oz., \$3.00.

NEPETA—Mussini (June-flowering Catnip). Aromatic foliage and flowers. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

OENOTHERA—Youngi (Sundrop). Large yellow blooms. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.80.

PENTSTEMON—Avalon Hybrids. (New). 3 ft. Spikes of fine large flowers in an extremely wide and unusual range of colors. The result of crossing 2 distinct species. Tr. pkt., 40c; ⅓ oz., 75c; ¼ oz., \$1.20.

PHLOX—Hybrid Mixture (Decussata). Large brilliantly colored types. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

Beltsville Beauty (New). A greatly improved perennial Phlox. Large flowered, and a wide assortment of colors. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

PHYSALIS—Francheti (Chinese Lantern Plant). Giant orange-scarlet pods. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

PHYSOSTEGIA—Virginica. Rosy lilac. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

PLATYCODON—GRANDIFLORUM (Balloon Flower).

Blue. A clear, deep violet-blue.

White
Above 2, each: tr. pkt., 35c; ⅓ oz., 85c; ¼ oz., \$1.50.



PHLOX BELTSVILLE BEAUTY

MISCELLANEOUS PERENNIALS—Continued

POPPY—ORIENTALE (Oriental Poppy). **Beauty of Livermere**. Dark oxblood-red. Tr. pkt., 30c; ¼ oz., \$1.25.
Brilliant. Fiery red. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.50.
Princess Victoria Louise. The standard light orange. Tr. pkt., 30c; ¼ oz., \$1.00; 1 oz., \$3.50.
Salmon Shades. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.
Mixture. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

PRIMULA—Veris. ● Collosea. See photo below. Unusual colors. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

● **Giant Munstead Strain**. Shades of yellow. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

● **Polyanthus Mixture**. Tr. pkt., 75c; ⅛ oz., \$2.20; ¼ oz., \$4.00; 1 oz., \$12.00.

Giant Monarch Strain. A fine large flowered mixture. Tr. pkt., \$1.00; ⅛ oz., \$2.75; ¼ oz., \$5.00; 1 oz., \$15.00.

MISCELLANEOUS HARDY PRIMULAS

Giant Crimson **Giant Yellow** **Giant White**
Above 3, each: tr. pkt., 75c; ⅛ oz., \$1.75; ¼ oz., \$3.00.

Blue Flowered. Tr. pkt., \$1.00; ⅛ oz., \$2.65; ¼ oz., \$4.80.

Vulgaris (True Yellow English Primrose). Tr. pkt., 50c; ¼ oz., \$1.65; 1 oz., \$6.00.

Japonica. Crimson, rose and pink flowers borne in whorls on 6 to 9 in. stems. Tr. pkt., 35c; ⅛ oz., \$1.00.

PYRETHRUM—ROSEUM (Painted Daisy).

Atrosanguineum. A popular dark crimson strain.

Rose. Single pink flowers.

Robinson's Dark Crimson. Giant flowered, dark red.

● **Robinson's Hybrids**. Large single mixture.

● **Semi-Double Mixture**. An excellent strain.

Above 5, each: tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

● **Double Mixture**. The finest double Pyrethrum. Tr. pkt., 50c; ⅛ oz., \$1.40; ¼ oz., \$2.50; 1 oz., \$7.50.

Parthenifolium Aureum (Golden Feather). Dwarf; yellow-green foliage. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c.

RUDBECKIA—Purpurea. (Echinacea). Reddish purple. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

SALVIA—Patens. Navy blue. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

SAPONARIA—Ocymoides. Hardy rock plant. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.10.

SCABIOSA—CAUCASICA. Goldingensis. Large flowered, fine deep lavender. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

Perfecta. Improved large flowered form of this lilac-lavender strain. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.50.

● **House Hybrids**. Large flowers ranging from white to deep blue. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

STATICE—Caspia. Seedlings flower second season. Lilac. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

Dumosa. Dense clumps of silvery gray flowers. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

● **Latifolia** (Sea Lavender). Standard blue perennial Statice. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.85.

Perezii. Flowers in large lavender heads first year from seed. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.85.

STOKESIA—Cyanea (Stokes' Aster). Large blue flowers. Tr. pkt., 35c; ¼ oz., 90c.

THALICTRUM—Dipterocarpum (Meadow Rue). Rosy purple flowers. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

THERMOPSIS—Caroliniana. Long panicles of yellow pea-shaped flowers. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

TRITOMA (Red Hot Poker). ● **Pfitzer's Hybrids**. Brilliant red. **Mirabilis Hybrids**. Yellow and orange shades.

Above 2, each: tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

TROLLIUS—Ledebouri, Orange (Globe Flower). Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.00.

Europaeus (Golden Ball). Late yellow. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

VERONICA—Spicata, Dwarf Mixed (Speedwell). Easily grown; brightly colored. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00.

VIOLA—CORNUTA. Apricot. Prefer Chantreyland. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

Arkwright Ruby. Maroon-scarlet with dark center. Tr. pkt., 50c; ⅛ oz., \$1.50; ¼ oz., \$2.65; 1 oz., \$8.00.

Black Imp. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

● **Blue Elf**. (Improved Johnny Jump Up). Three-colored blooms. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.25.

● **Blue Perfection**. Large flowered clear medium blue. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

● **Chantreyland**. Extra large flowered true apricot. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

Firmament. Free blooming, clear sky-blue. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00.

● **Helen Mount**. A combination of violet, lavender and canary-yellow. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.25.

Jersey Gem. Deep orchid. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00.

King Henry. Rich violet-blue with lavender center and small yellow eye. Tr. pkt., 50c; ⅛ oz., \$1.10; ¼ oz., \$2.00; 1 oz., \$6.00.

● **Lutea Splendens**. Clear golden yellow. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

Papilio. Blue and white combinations. Extra dwarf and free-flowering. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

Puck. Yellow and purple. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

● **White Perfection**. Small pure white. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

● **Large-Flowered Mixture**. Complete mixture of all large flowered varieties. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

ODORATA. The popular fragrant "English Violet."

Semperflorens. Deep blue. Tr. pkt., 35c; ¼ oz., \$1.25.

YUCCA—Hardy Varieties Mixed. Striking plants of exotic appearance. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.



**PRIMULA
VERIS COLOSSEA**

Makes a wonderful hardy bedding show, and is an excellent pot plant when forced under glass.

HOLLAND BULBS

for Counter Sales

SPECIAL COLLECTION FOR EARLY SEPTEMBER DELIVERY

Order now and be sure of getting your bulbs early next September—when your customers have the planting urge. Colored posters to help your sales come with each collection.



1,100 BULBS for \$50.00

- 25 Hyacinths, Blue.
- 25 Hyacinths, Pink.
- 25 Hyacinths, White.
- 125 Tulips, **Bartigon**. Bright red.
- 125 Tulips, **Philip Snowden**. Deep rose.
- 125 Tulips, **All Bright**. Deep red.
- 125 Tulips, **Wm. Copeland**. Lavender.
- 125 Tulips, **Carrara**. Pure white.
- 125 Tulips, **Golden Harvest**. Lemon-yellow.
- 125 Tulips, **Rhineland**. Crimson, edged yellow.
- 25 Tulips, **Blue Parrot**. Dark lavender-blue.
- 25 Tulips, **Fantasy**. (Parrot.) Deep salmon, blotched green.
- 100 Daffodils, **King Alfred**. Golden yellow.

C.O.D. orders must be accompanied by 50% cash in advance. Prices are f.o.b. Chicago or New York.



Prices subject to change without notice.

Ball-Grown Small Plants

All the 2 1/4-in. stock listed below is grown in Ball Better Bands and shipped in our "Ball-Pak."

BEGONIAS

Available Sept. to June

Adeline	Ball Red
Ball Deep Rose	Indian Maid
Scandinavia Pink	Carmen
Scandinavia Red	Snowbank
Luminosa Compacta	Assorted

\$9.00 per 100, \$80.00 per 1000. 250 @ 1000 rate.
Minimum order 100; 25 of a variety.

SNAPS

Available August to March.

PINK AND ROSE	WHITE
Ball Hyb. No. 9, "Rosanna"	Ball White Hyb. No. 5, "Snowman"
Dorcas Jane	Margaret
Christina	White Wonder
Peggy Schumann	YELLOW
Christmas Cheer	Ball Yel. Hyb. No. 1, "Golden Spike"
RED AND LAVENDER	Patricia
Ball Red Hyb. No. 8, "Navajo"	BRONZE
Ball Lavender	Barbara

\$7.00 per 100, \$60.00 per 1000. 250 @ 1000 rate.
Minimum order 100; 25 of a variety.



Each "Ball-Pak" contains two of these 25 band PlanTrays. Your Begonias and other small plants from Ball's will be just like the beauties pictured here.

ORDER EARLY! The wanted varieties always sell out first.
Get your needs in now!

AZALEAS FOR FORCING

Delivery Fall and Winter 1951

INDICAS—GRAFTED

3-4 year field grown (No 2-year plants),
large flowered Belgian varieties.

	6/8	8/10	10/12
Albert & Elizabeth. Double white with pink border	\$1.65	\$2.00	\$2.50
Eric Schame. Salmon-rose with blush	1.65	2.00	2.50
Jean Haerens. Double, large dark rose	1.65	2.00	2.50
Mme. Petrick. Christmas flowering rose	1.65	2.00	2.50
Niobe. Late double white	1.65	2.00	2.50
Paul Schame. Early, double salmon-red	1.65	2.00	2.50
Triomphe. Double red with purple sheen	1.65	2.00	2.50
Vervaeana. Double, large rosy salmon	1.65	2.00	2.50
Vervaeana Alba. Large double, white	1.65	2.00	2.50
Assorted Varieties	1.65	2.00	2.50

INDICAS—OWN ROOT

Large flowered Belgian type.

	6/7
Jean Haerens. Double, large dark rose	\$.85
Niobe. Late double white	.85
Paul Schame. Early, double, salmon-red	.85
Vervaeana. Double, large rose-salmon	.85
Vervaeana Alba. Large double, pure white	.85
Triomphe. Double red with purple sheen	.85
Assorted. Large flowered Indica varieties	.85

KURUMES

Heavy 2-year field grown plants
Kurume, Pericat, and small flowered Indicas.

	5/6	6/8	8/10
Coral Bells. Coral-pink; semi-double	\$.65	\$.85	\$1.00
Gardenia Supreme. Creamy white, very double	.65	.85	1.00
Hexe. Deep crimson. Semi-double dwarf Indica	.65	.85	1.00
Hinodegiri. Carmine-red; hardy	.65	.85	1.00
Rival. Double salmon-rose	.65	.85	1.00
Rose Pericat. Hose-in-hose	.65	.85	1.00
Salmon Beauty. Salmon-pink; hose-in-hose type	.65	.85	1.00
Snow. Pure white hose-in-hose type	.65	.85	1.00
Sweetheart Supreme. Fine pink.	.65	.85	1.00
Assorted. Small flowered varieties	.65	.85	1.00

For winter shipment from December to February, add 10% to price for storage on orders received prior to October 1951. Prices F.O.B. shipping point. Packing charge 5%. Please state if Beetle Certificate is required.

ROSES FOR POT FORCING

Delivery Dec. - Jan. F.O.B. West Chicago

EARLY FORCING VARIETIES

	Grade	Per 10	Case of 120	Case of 220
Triomphe d'Orleans. Red.	XXX	\$6.90	\$72.50	\$132.50
Garnette. Garnet-red.	XX	5.90	Case of 160 \$72.50	
Magna Charta. Bright pink.	X	3.90	Case of 250 \$72.50	
Gloria Mundi. (Late.) Orange.			Less than case lots in multiples of 10 only.	

XXX ROSE COLLECTION

60 Triomphe d'Orleans
20 Garnette
20 Gloria Mundi
20 Magna Charta

120 Case (collection) \$72.50

PATENTED VARIETIES

Crimson Rosette Pink Rosette
Prices above 2, each, 75c per plant.

Another Ball Service-Publications!



GROWER TALKS

Hot off the Press every Month!

We're In Our 15th Year—and Still Going Strong

GROWER TALKS brings you a running commentary on greenhouse growing and management. Published monthly, it suggests sowing dates, brings you the latest in growing methods, variety recommendations. It keeps you up-to-date on trade meetings and short courses. Send us your subscription. 1 year, 90c; 3 years, \$2.50.

BALL RED BOOK

Cultural Notes On Over 150 Florists' Crops

NEW EDITION!

BEING PREPARED NOW

Watch for Announcement Soon

CONDENSED FROM OUR RED BOOK . . .

A Handy Reference List for Summer Sowing

(Might Contain a Suggestion or Two Also)

WHEN WILL THEY BLOOM?

Crop	Sow	Flowering Date	Crop	Sow	Flowering Date
Begonia Fibrous Rooted	Aug. 1, flats Sept. 1, 3" pots Oct. 15.	3" pots for Xmas.	Marigolds Winter Fl.	Aug. 15, bench after Mums.	Mid-Nov. to early March.
Calceolaria	July 15. Sept. 5.	6" plants by April 10. 5" plants by May 10.	Mignonette	Aug. 1, sow in 2½" pots.	Feb. and March.
Calendula	Aug. 1; bench Sept. 1-45°.	Flowering during Dec., Jan. and Feb.	Myosotis	August.	Nov.—Ball Early Myosotis. Feb.—late flowering varieties.
Candytuft	Sept. 15; bench Oct. 10.	January.	Nemesia Grand.	Aug. 15, in shallow soil.	Feb.
Cineraria	Aug. 1 to Oct. 20. All in flats 3"x3"; pot in- to 3's; make final shift about 6 weeks before flowering.	Cinerarias flower when pot-bound or when strong sun of late spring forces them to do so.	Pansies	Aug. 15, plant out in protected frame about Sept. 20.	For plant sales in spring.
Cyclamen	Sowings usually made from June to Oct. for year from following Xmas, usually flattened 2"x2" or 2" pots; shift into 3's, final potting before Xmas, Sept. 1.	Flower in 4", 6" and 8" according to sowing date, one year from Xmas fol- lowing sowing date.	Primula Malacoides	Aug. 15, cold frame till Sept. 15—bring into greenhouse bench Nov. 15. June 15, flat and shift as needed to flower.	Flower in greenhouse March and April.
Delphinium Belladonna	Sept. 1 in frame, dig up in Oct., bench.	Late April-May. Nice.		Oct. 5, flat off, pot and shift as needed.	Dec. in 4" pots, these plants can be shifted along for larger sizes in spring. Feb. in 3" pots.
Didiscus	Aug. 1, in pots; bench Sept. 10.	Dec. and Jan.	Primula Obconica	June 1. Aug. 1.	Jan. to March, 5's. Feb.-March in 4's.
Kalanchoe	June 1; shift as needed.	Following Jan. smaller pot size than above. Note: Shading Aug. 15 on with 60° house will flower them for Xmas.	Snapdragons	See pages 3 and 5.	
			Statice	Aug. 15, pots and bench; or flower in 5-6" pots.	Jan.-Feb.
Larkspur	Sept. 15.	March 1 or little later.	Suworowi		
Marigolds African	Aug. 15, 55° or cooler with artificial light.	Xmas, shallow soil for this.	Stocks	See page 18.	
			Sweet Peas Early	July 15, sow direct.	Late Oct. till Valentine's Day.
			Violas	Sept. 25, grown cool at first. Same as for Pansies.	Feb. till Mother's Day.



Left to right: Our Aster cloth house for breeding and selection of new Aster strains, annual and perennial trial grounds which you are cordially invited to visit this summer, greenhouses (over 100,000 sq. ft.), and general office in foreground (photo made before work on our office addition began), and at right our new warehouse and precooling chamber. See page 1 for directions on how to locate our plant when you visit Chicago.

WE CLAIM . . .

. . . a unique ability to serve the florist trade. The reason for this claim is simple. We **are** florists and therefore understand the needs of florists.

Our greenhouses (shown above) serve in a thousand ways to keep us in close touch with ever-changing needs and problems of our customers.

Latest production from our seed houses include fine crops—now being harvested—of six brand new Hybrid Snapdragons. Turn to page 2 for descriptions.

George J. Ball
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WEST CHICAGO
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